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## Supplementary Material

*To the paper: "A nationwide study of prevalence rates and characteristics of 199 chronic conditions in Denmark"*

Hvidberg, Michael Falk; Johnsen, Søren Paaske; Davidsen, Michael; Ehlers, Lars Holger

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# Supplementary Material

**To the paper: “A nationwide study of prevalence rates and characteristics of 199 chronic conditions in Denmark”**

Michael Falk Hvidberg<sup>1</sup>, Soeren Paaske Johnsen<sup>2\*</sup>, Michael Davidsen<sup>3</sup> and Lars Ehlers<sup>1</sup>

<sup>1</sup> Danish Center for Healthcare Improvements, Aalborg University, Fibigerstraede 11, DK-9220 Aalborg, Denmark.

<sup>2</sup> Department of Clinical Epidemiology, Aarhus University Hospital, Olof Palmes Allé 43, 8200 Aarhus N, Denmark.

<sup>3</sup> National Institute of Public Health, University of Southern Denmark, Oester Farimagsgade 5A, 2nd floor, 1353 Copenhagen K, Denmark.

Corresponding author:

Michael Falk Hvidberg, Ph.D. Danish Center for Healthcare Improvements, Aalborg University, Fibigerstraede 11, DK 9220 Aalborg, Denmark. Tel. +45 4054 5420, email: [michael@falkhvidberg.dk](mailto:michael@falkhvidberg.dk)

The supplementary material contains further information on difference in prevalence rates related to geographics (regions), gender and age of chronic patients in Denmark

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This supplementary material forms part of the original submission and has been peer-reviewed.

## Supplementary Material 1: Mean age of chronic patients in Denmark

Table 1. Mean and std. dev. for men and women for each of the 199 conditions and chosen medicine. Data from Statistics Denmark 1st January 2013.

Nr.	Name of condition	Mean age					
		Denmark		Men		Women	
		mean	std. dev	mean	std. dev	mean	std. dev
	<b>B – Viral hepatitis and human immunodeficiency virus [HIV] disease</b>	46.9	12	48.3	11.9	44.3	11.9
1	Chronic viral hepatitis	46	12.2	46.9	12	44.5	12.4
2	Human immunodeficiency virus [HIV] disease	47.8	11.5	49.3	11.4	43.9	10.7
	<b>C – Malignant neoplasms</b>	65.4	14.5	66.2	14.3	64.8	14.6
3	Malignant neoplasms of other and unspecified localisations	62	14.9	62.8	14	60.9	15.7
4	Malignant neoplasms of digestive organs	67.5	12.2	67.3	11.3	67.8	13.5
5	Malignant neoplasm of colon	71.7	11.9	70.9	11.3	72.4	12.4
6	Malignant neoplasms of rectosigmoid junction, rectum, anus and anal canal	70	11.2	70.1	10.6	70	12
7	Malignant neoplasm of bronchus and lung	67.8	11.2	67.8	11.2	67.9	11.1
8	Malignant melanoma of skin	59.4	16.5	61.8	15.5	57.6	16.9
9	Other malignant neoplasms of skin	71.3	13.3	71.7	12.4	70.9	14.3
10	Malignant neoplasm of breast	66	12	67.3	13.2	66	12
11	Malignant neoplasms of female genital organs	63	14.1	-	-	63	14.1
12	Malignant neoplasm of cervix uteri, corpus uteri and part unspecified	63.8	14.8	0	0	63.8	14.8
13	Malignant tumour of male genitalia	47.3	14.3	47.3	14.3	-	-
14	Malignant neoplasm of prostate	72.7	8.4	72.7	8.4	63.8	12.2
15	Malignant neoplasms of urinary tract	70.2	11.8	70.3	11.4	70.1	12.8
16	Brain cancer °	59.1	16	60	15.5	58.2	16.5
17	Malignant neoplasms of ill-defined, secondary and unspecified sites, and of independent (primary) multiple sites	63.8	13.8	63.5	14	64	13.6
18	Malignant neoplasms, stated or presumed to be primary, of lymphoid, haematopoietic and related tissue	62.6	17	61.8	16.7	63.6	17.3
	<b>D – In situ and benign neoplasms, and neoplasms of uncertain or unknown behaviour and diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism</b>	60.6	19.2	63.5	17.4	59	19.9
19	In situ neoplasms	57.6	16.5	67.3	14.4	55.2	16.1
20	Haemolytic anaemias	50.9	19.9	53.9	19.9	49.4	19.7
21	Aplastic and other anaemias	67.4	17.5	69.2	14.7	66.2	19.1
22	Other anaemias	69.3	17.3	71.1	14.2	68.2	18.9
23	Coagulation defects, purpura and other haemorrhagic conditions	50.3	18.2	54.8	17.4	47.6	18.1
24	Other diseases of blood and blood-forming organs	57.8	16.6	57.6	16.2	57.9	16.9
25	Certain disorders involving the immune mechanism	50.5	15.9	49.7	14.9	51.3	16.8
	<b>E – Endocrine, nutritional and metabolic diseases</b>	63.7	14.5	63.8	13.2	63.7	15.5
26	Diseases of the thyroid °	60.2	16.3	60.8	15.9	60.1	16.4
27	Thyrotoxicosis °	61.5	17.4	63.1	15.4	61.1	17.8
28	Diabetes type 1 °	47.5	17.2	47.2	16.7	47.9	17.9
29	Diabetes type 2 °	65.5	13.1	65.3	11.7	65.7	14.5
30	Diabetes others °	55.9	19.5	57.6	17	54.3	21.5
31	Disorders of other endocrine glands	49	19.9	53.9	19.6	47.1	19.7
32	Metabolic disorders	54	18.1	53.3	17.4	54.4	18.4
33	Disturbances in lipoprotein circulation and other lipids °	66.5	11.7	65.3	11.6	67.9	11.7
34	Cystic fibrosis °	40.4	16.5	40.3	16.5	40.5	16.4
	<b>G – Diseases of the nervous system</b>	55.7	16.6	56.2	16.3	55.3	16.8
35	Inflammatory diseases of the central nervous system	53	17.2	52.8	16.6	53.2	17.8
36	Systemic atrophies primarily affecting the central nervous system	70.2	16.2	67.7	15.5	72.3	16.6

	and other degenerative diseases						
37	Parkinson's disease <sup>c</sup>	62.8	16	61.7	15.7	63.6	16.2
38	Extrapyramidal and movement disorders	60.3	17.8	59.6	17.2	60.7	18.3
39	Sclerosis	52.1	13.3	52.9	13.1	51.8	13.4
40	Demyelinating diseases of the central nervous system	49	13.6	49.9	13.6	48.5	13.5
41	Epilepsy <sup>c</sup>	53.3	18.2	52.7	17.7	53.8	18.7
42	Migraine <sup>c</sup>	50.1	14.4	49.1	15	50.4	14.2
43	Other headache syndromes	45.4	15.8	46.8	15.5	44.5	15.9
44	Transient cerebral ischaemic attacks and related syndromes and vascular syndromes of brain in cerebrovascular diseases	68.4	13.5	67.5	12.6	69.5	14.5
45	Sleep disorders	54.4	13.7	54.6	13.2	53.7	15
46	Disorders of trigeminal nerve and facial nerve disorders	55.7	16.7	54.9	16.3	56.3	17
47	Disorders of other cranial nerves, cranial nerve disorders in diseases classified elsewhere, nerve root and plexus disorders and nerve root and plexus compressions in diseases classified elsewhere	56.7	14.8	57.3	14.5	56.1	15
48	Mononeuropathies of upper limb	56.8	14.8	56.4	14.4	57	15
49	Mononeuropathies of lower limb, other mononeuropathies and mononeuropathy in diseases classified elsewhere	56.6	14.6	55.8	14.4	57.2	14.8
50	Polyneuropathies and other disorders of the peripheral nervous system	63.3	15.1	63.2	14.2	63.3	16.2
51	Diseases of myoneural junction and muscle	53	17.5	52.1	17.9	53.7	17.1
52	Cerebral palsy and other paralytic syndromes	49.2	18.3	48.2	17.9	50.4	18.6
53	Other disorders of the nervous system	55.9	17.7	56.9	17.1	55.1	18.2
	<b>H – Diseases of the eye and adnexa and diseases of the ear and mastoid process</b>	66.4	16.8	65.3	16	67.5	17.3
54	Disorders of eyelid, lacrimal system and orbit	62	15.9	63.7	15.7	60.9	15.9
55	Corneal scars and opacities	59.5	18.4	57.9	17.8	61.7	18.9
56	Other disorders of cornea	62.6	18.9	57.9	19	66.2	18
57	Diseases of the eye lens (cataracts)	73.5	10.7	72.5	11.1	74.2	10.5
58	Disorders of the choroid and retina	59.6	18.6	57.9	18	61.3	19
59	Retinal vascular occlusions	71.5	13.1	70.1	12.4	72.9	13.6
60	Other retinal disorders	73.7	14.5	70.6	15	75.8	13.7
61	Retinal disorders in diseases classified elsewhere	59.3	15.4	59	14.5	59.6	16.5
62	Glaucoma <sup>c</sup>	71.9	13.3	70.2	13.1	73.2	13.3
63	Disorders of the vitreous body and globe	60	15.9	60.2	16.1	59.8	15.7
64	Disorders of optic nerve and visual pathways	50.4	16.8	52.1	17	49.3	16.6
65	Disorders of ocular muscles, binocular movement, accommodation and refraction	46.2	16.5	46.2	16.4	46.2	16.6
66	Visual disturbances	58.2	18.1	57.2	17.7	59	18.5
67	Blindness and partial sight	63.4	20.2	60.6	19	65.6	20.8
68	Nystagmus and other irregular eye movements and other disorders of eye and adnexa	54.2	18.1	53.3	17.8	54.8	18.3
69	Otosclerosis	61.4	15.8	61.4	15	61.4	16.3
70	Ménière's disease <sup>c</sup>	65.8	14.4	66.2	13.6	65.6	15
71	Other diseases of the inner ear	68.6	12.1	69.2	11.5	62	15.8
72	Conductive and sensorineural hearing loss	62.3	18.4	62	17.6	62.6	19.1
73	Other hearing loss and other disorders of ear not classified elsewhereclassified elsewhere	61.7	17.5	62	16.6	61.3	18.5
74	Presbycusis (age-related hearing loss)	79.7	10.3	77.9	9.7	81.3	10.6
75	Hearing loss, unspecified	67.9	14.7	67.6	13.6	68.4	16
76	Tinnitus	61.5	14.2	61.2	13.5	61.8	15.2
77	Other specified disorders of ear	66.9	14.5	67.1	13.7	66.7	15.2
	<b>I – Diseases of the circulatory system</b>	63.3	15.3	63.3	14	63.4	16.3
78	Aortic and mitral valve disease <sup>c</sup>	72.4	14	70.7	13.2	74.2	14.5
79	Hypertensive diseases <sup>c</sup>	65.2	14.1	65	12.7	65.3	15.2
80	Heart failure <sup>c</sup>	71	13.2	69.3	12.5	74	13.8
80A	Ischaemic heart diseases	68.3	12.8	67.1	12.2	70.1	13.4
81	Angina pectoris	66.6	12.3	65.7	11.9	67.8	12.8

82	Acute myocardial infarction and subsequent myocardial infarction	68	13.1	66.2	12.4	71.5	13.6
83	AMI complex/other	66.3	14.2	65.2	13.6	68	15
84	Chronic ischaemic heart disease	70.4	11.9	68.9	11.4	73	12.5
85	Pulmonary heart disease and diseases of pulmonary circulation	65.5	17.1	65.7	14.6	65.4	18.9
86	Acute pericarditis	51.4	17.3	49.4	16.7	56.8	17.6
87	Other forms of heart disease	61.8	18	60.4	17.7	64	18.1
88	Atrioventricular and left bundle branch block	73.6	15	73	13.9	74.4	16.4
89	Other conduction disorders	63.6	18.7	63	17.6	64.5	20
90	Paroxysmal tachycardia	61.7	17.2	62.5	15.9	61	18.4
91	Atrial fibrillation and flutter	72.6	12.7	70.1	12.4	75.8	12.4
92	Other cardiac arrhythmias	65.5	16.9	66	15.5	65.1	18.1
93	Complications and ill-defined descriptions of heart disease and other heart disorders in diseases classified elsewhere	64.1	17.5	64.5	16	63.8	18.9
94	Stroke	69.4	13.6	68.3	12.6	70.7	14.6
95	Cerebrovascular diseases	65.9	15	66.7	13.9	65	16
96	Sequelae of cerebrovascular disease	71.4	13.2	70	12.3	72.9	14.1
97	Atherosclerosis	71.6	12	70.3	11.2	73	12.6
98	Aortic aneurysm and aortic dissection	71.7	11	71.6	10.4	72	12.5
99	Diseases of arteries, arterioles and capillaries	60.5	16.5	62.9	15.3	58.4	17.1
100	Other peripheral vascular diseases	68.6	12.9	68.3	11.5	68.9	14.4
101	Phlebitis, thrombosis of the portal vein and others	60.9	17.3	61.3	15.2	60.6	19
102	Varicose veins of lower extremities	55.2	15.5	57	15	54.4	15.7
103	Haemorrhoids °	50.7	17.3	51.6	16.2	50.2	17.9
104	Oesophageal varices (chronic), varicose veins of other sites, other disorders of veins, non-specific lymphadenitis, other non-infective disorders of lymphatic vessels and lymph nodes and other and unspecified disorders of the circulatory system	55.3	18.8	53	18.4	57.8	19
	<b>J – Diseases of the respiratory system</b>	52.4	18.4	51.5	18.3	53	18.4
105	Respiratory allergy °	51.5	18.2	50.3	18	52.4	18.3
105A	Chronic lower respiratory diseases °	55.4	17.1	54.9	17.4	55.7	17
106	Bronchitis, not specified as acute or chronic, simple and mucopurulent chronic bronchitis and unspecified chronic bronchitis	68	14	67.9	13.6	68.1	14.3
107	Emphysema	65.4	13.8	64.7	14	66.2	13.5
108	Chronic obstructive lung disease (COPD) °	61.6	17.3	61.5	16.9	61.6	17.5
109	Asthma, status asthmaticus °	52	19	50.8	19	52.8	18.9
110	Bronchiectasis	62.6	14.7	60.8	15.1	63.6	14.4
111	Other diseases of the respiratory system	63.3	16.5	62.5	16	64.2	16.9
	<b>K – Diseases of the digestive system</b>	57.4	18.4	57.5	17.3	57.3	19.3
112	Ulcers °	60.3	18	59.6	16.9	60.8	18.7
113	Inguinal hernia	60.1	16	60.2	15.6	58.9	18.6
114	Ventral hernia	59.2	15.3	60.7	14.6	58	15.7
115	Crohn's disease	47.2	17.1	47	16.7	47.4	17.3
116	Ulcerative colitis	51.3	17.5	51	17.1	51.6	17.9
117	Other non-infective gastroenteritis and colitis	59	19.8	56.9	19.2	60.1	20
118	Irritable bowel syndrome (IBS)	49.7	17.7	51	16.4	49.2	18.2
119	Other functional intestinal disorders	59.2	20.3	60.4	19	58.5	21
120	Diseases of liver, biliary tract and pancreas	57.9	15.1	56.9	14.4	58.8	15.7
	<b>L – Diseases of the skin and subcutaneous tissue</b>	56.2	16.5	55.6	15.8	56.8	17.1
121	Psoriasis °	56.2	16.5	55.6	15.8	56.8	17.1
	<b>M – Diseases of the musculoskeletal system and connective tissue</b>	58.1	17.7	56.6	17	59.2	18.1
122	Infectious arthropathies	50.4	16.7	50.6	16.4	50.3	17.1
122A	Inflammatory polyarthropathies and ankylosing spondylitis °	61.2	15.8	61.5	14.6	60.8	17
123	Rheumatoid arthritis °	58	16.2	57.4	15.6	58.4	16.4
124	Inflammatory polyarthropathies – except rheumatoid arthritis °	62.1	15.5	62.3	14.3	61.8	17.1

125	Polyarthrosis [arthrosis]	68.5	11.8	67	12.2	68.9	11.7
126	Coxarthrosis [arthrosis of hip]	70.7	13	68.6	12.8	72.3	12.9
127	Gonarthrosis [arthrosis of knee]	65.6	13.1	63.5	12.6	67.3	13.2
128	Arthrosis of first carpometacarpal joint and other arthrosis	62.9	13.7	60.3	13.7	64.7	13.3
129	Acquired deformities of fingers and toes	57.6	15.8	55.8	15.8	58	15.8
130	Other acquired deformities of limbs	55	17.9	51.9	18.2	56.7	17.5
131	Disorders of patella (knee cap)	36.4	13.4	37.7	13	35.5	13.6
132	Internal derangement of knee	39.4	15.1	38.8	14.4	40.2	16
133	Derangement of meniscus due to old tear or injury	47.7	15.1	46.5	14.4	49.1	15.8
134	Internal derangement of knee, unspecified	43.9	16.4	43.7	15.4	44.2	17.3
135	Other specific joint derangements	38.9	16.9	36.9	15.4	41.6	18.4
136	Other joint disorders not classified elsewhere	48.4	16.7	48.4	17	48.3	16.5
137	Systemic connective tissue disorders	62.2	18.6	65.6	17.2	61.1	18.9
138	Systemic lupus erythematosus	53.1	15.5	55.3	16.3	52.8	15.3
139	Dermatopolymyositis	58.4	15.6	57.1	14.4	59.2	16.4
140	Systemic sclerosis	59.1	14.6	56.8	15.2	59.8	14.4
141	Kyphosis, lordosis	50.6	16	48.2	16	52.8	15.6
142	Scoliosis	43.2	20.7	40.8	19.8	44.3	21.1
143	Spinal osteochondrosis	50	15.2	48.7	14.7	52.1	15.7
144	Other deforming dorsopathies	58.8	15.6	56.1	15	60.9	15.7
145	Other inflammatory spondylopathies	53.4	16.4	54.4	16.4	52.5	16.3
146	Spondylosis	63.1	13.3	61.8	12.6	64.3	13.9
147	Other spondylopathies and spondylopathies in diseases classified elsewhere	68.4	12.9	66.6	12.6	69.9	12.9
148	Cervical disc disorders	51.7	11.7	52.3	11.5	51.3	11.8
149	Other intervertebral disc disorders	52	14.7	51	14.1	52.9	15.3
150	Other dorsopathies not classified elsewhere	49.6	15.7	50.1	15	49.2	16.1
151	Dorsalgia	51.4	17.5	50.5	16.1	52.2	18.4
152	Soft tissue disorders	46	17.5	49.6	17.9	44.6	17.2
153	Synovitis and tenosynovitis	51.2	17.1	49.9	17	51.9	17.1
154	Disorders of synovium and tendon	44.7	17.1	44.5	16.2	44.9	17.7
155	Soft tissue disorders related to use, overuse and pressure	53.4	17.7	52.7	17.3	53.9	18.1
156	Fibroblastic disorders	63	14.1	64.2	13.4	60.9	15
157	Shoulder lesions	52.9	14.2	52.8	14.5	53	13.9
158	Enthesopathies of lower limb, excluding foot	44.6	16.1	42.9	15.2	46.2	16.8
159	Other enthesopathies	48.4	13.9	47	13.7	49.4	14
160	Rheumatism, unspecified	54.7	13.3	53.8	15.5	54.8	12.9
161	Myalgia	54.3	16	53.6	15.5	54.7	16.2
162	Other soft tissue disorders, not classified elsewhere	50.8	16.5	51.6	16.1	50.3	16.7
163	Other soft tissue disorders not classified elsewhere: pain in limb	51.3	18.7	50.4	17.8	52	19.2
164	Fibromyalgia	50	12.5	51.1	12.9	49.9	12.5
165	Osteoporosis <sup>c</sup>	72.1	11	70.4	11.8	72.4	10.9
166	Osteoporosis in diseases classified elsewhere	63.9	15.8	60.9	16.5	65.6	15.2
167	Adult osteomalacia and other disorders of bone density and structure	63.6	13.8	60.6	16.1	64.3	13
168	Disorders of continuity of bone	50	19.6	45.1	18.6	55.2	19.3
169	Other osteopathies	60.3	16.7	57.3	16.9	62.1	16.4
170	Other disorders of the musculoskeletal system and connective tissue	51.5	17.7	49.2	16.8	54.1	18.2
	<b>N – Diseases of the genitourinary system</b>	67.7	16.4	67.6	15.8	68	17.2
171	Chronic renal failure (CRF) <sup>c</sup>	67.7	16.4	67.6	15.8	68	17.2
	<b>Q – Congenital malformations, deformations and chromosomal abnormalities</b>	44.1	16.9	44.5	17.4	43.8	16.5
172	Congenital malformations: of the nervous, circulatory and respiratory systems, cleft palate and cleft lip, urinary tract, bones and muscles, other and chromosomal abnormalities not classified elsewhere	43.4	16.7	43.4	17.5	43.5	16.2
173	Congenital malformations of eye, ear, face and neck	41.2	16.1	42.1	16.7	40.6	15.8

174	Other congenital malformations of the digestive system	55.9	18.8	54.6	18.4	56.8	19.1
175	Congenital malformations of the sexual organs	45.7	15.5	46.9	16	43.6	14.2
	<b>F – Mental and behavioural disorders</b>	<b>50.5</b>	<b>19.3</b>	<b>49.2</b>	<b>18.5</b>	<b>51.4</b>	<b>19.9</b>
176	Dementia <sup>c</sup>	81.2	8.7	78.7	8.8	82.6	8.3
177	Organic, including symptomatic, mental disorders	63.5	19.4	59.8	18.2	67	19.8
178	Mental and behavioural disorders due to use of alcohol	50.3	16.3	50.2	15.8	50.7	17.1
179	Mental and behavioural disorders due to use of psychoactive substances	44.8	17.3	44	16.8	45.9	17.8
180	Schizophrenia <sup>c</sup>	44.9	15.1	43.7	13.8	46.7	16.6
181	Schizotypal and delusional disorders	46.7	16.7	43.8	14.8	49.6	18
182	Bipolar affective disorder <sup>c</sup>	52.7	16.8	51.6	15.8	53.4	17.4
183	Depression <sup>c</sup>	52.8	18.7	52.3	17.5	53	19.3
184	Mood (affective) disorders	50.4	17.5	49.8	16	50.7	18.3
185	Phobic anxiety disorders	37.9	12.8	38.1	13	37.8	12.7
186	Other anxiety disorders	44.5	16.6	44	15.3	44.8	17.1
187	Obsessive compulsive disorder (OCD) <sup>c</sup>	35.1	14.3	35.5	14.4	34.9	14.3
188	Post-traumatic stress disorder	44.4	12.1	45	11.5	43.9	12.5
189	Reactions to severe stress and adjustment disorders	40.3	15.8	40.9	15.2	39.8	16.1
190	Dissociative (conversion) disorders, somatoform disorders and other neurotic disorders	47.9	15.7	47.6	14.6	48.1	16.2
191	Eating disorders	28.5	10.3	30.2	14.9	28.4	10
192	Behavioural syndromes associated with physiological disturbances and physical factors	41.1	14.1	43	14.2	39.5	13.9
193	Emotionally unstable personality disorder	37.5	12.2	40.6	11.4	36.7	12.2
194	Specific personality disorders	42.5	14.1	42.6	13	42.5	14.9
195	Disorders of adult personality and behaviour	42.2	13.6	43.4	12.8	41.4	14.2
196	Mental retardation	42	16.9	41.1	16.5	43	17.2
197	Disorders of psychological development	30	13.9	29.5	13.1	31	15.1
198	Hyperkinetic disorders (ADHD) <sup>c</sup>	31.9	13.7	30.3	12.8	34.5	14.6
199	Behavioural and emotional disorders with onset usually occurring in childhood and adolescence	40.9	16.8	39.8	15.9	41.9	17.6
	<b>Having one or more chronic conditions</b>	<b>53.2</b>	<b>18.3</b>	<b>52.9</b>	<b>17.8</b>	<b>53.4</b>	<b>18.7</b>
	Depression medicine <sup>c</sup> **	53.3	18.8	52.5	17.8	53.8	19.3
	Antipsychotic medicine <sup>c</sup> **	51.1	19.1	48	18.1	53.7	19.6
	Indication prescribed anxiety medicine <sup>c</sup> **	50.7	18.3	49	17.4	51.5	18.8
	Heart failure medication <sup>c</sup> **	70	13.1	68.5	12.5	72.6	13.8
	Ischaemic heart medication <sup>c</sup> **	72.3	12.5	70.2	11.8	74.6	12.9
	<b>All of the five types of medicine above</b>	<b>55.9</b>	<b>19.3</b>	<b>55.4</b>	<b>18.4</b>	<b>56.2</b>	<b>19.8</b>
	Others: arthrosis combined (M15-M19)	65.7	13.6	63.7	13.4	67.3	13.6
	Others: overweight (E86)	46.9	15.6	54.8	14.8	45	15.1
	<b>Whole population aged 16 years or above</b>	<b>47.7</b>	<b>19.0</b>				

<sup>c</sup> complex defined condition, see reference for further details [1]. \*\* 2-year prevalence. Conditions marked 'A' overlap with other conditions and are thus not counted twice [1].

## Supplementary Material 2: Age distribution of chronic patients in Denmark.

Table 2. Age distribution in 7 categories of the 199 conditions and chosen medicine. Data from Statistics Denmark 1st January 2013.

Nr.	Name of condition	N and prevalence								
		Denmark		Age 16-24	Age 25-34	Age 35-44	Age 45-54	Age 55-64	Age 65-74	Age 75+
		<i>N</i>	<i>Per thousand (standardised)</i>	<i>Per thousand</i>						
	<b>B – Viral hepatitis and human immunodeficiency virus [HIV] disease</b>	<b>8,813</b>	<b>1.9 (2.0)</b>	<b>0.4</b>	<b>1.7</b>	<b>3.2</b>	<b>3.4</b>	<b>2.4</b>	<b>0.9</b>	<b>0.3</b>
1	Chronic viral hepatitis	4,584	1.0 (1.0)	0.2	1.1	1.6	1.6	1.3	0.4	0.1
2	Human immunodeficiency virus [HIV] disease	4,229	0.9 (0.9)	0.1	0.7	1.5	1.8	1.0	0.5	0.1
	<b>C – Malignant neoplasms</b>	<b>229,331</b>	<b>50.3 (50.4)</b>	<b>3.2</b>	<b>8.7</b>	<b>17.3</b>	<b>33.2</b>	<b>67.8</b>	<b>120.2</b>	<b>155.8</b>
3	Malignant neoplasms of other and unspecified localisations	20,557	4.5 (4.6)	0.5	1.1	2.1	3.9	7.2	9.5	10.1
4	Malignant neoplasms of digestive organs	4,839	1.1 (1.1)	0.0	0.1	0.2	0.5	1.6	2.9	3.4
5	Malignant neoplasm of colon	18,826	4.1 (4.1)	0.1	0.1	0.4	1.4	4.3	10.2	20.3
6	Malignant neoplasms of rectosigmoid junction, rectum, anus and anal canal	10,680	2.3 (2.3)	0.0	0.1	0.2	1.0	3.0	6.4	9.5
7	Malignant neoplasm of bronchus and lung	14,762	3.2 (3.3)	0.0	0.1	0.4	1.7	4.8	9.1	10.6
8	Malignant melanoma of skin	19,636	4.3 (4.3)	0.5	1.9	3.4	4.1	5.4	8.1	9.0
9	Other malignant neoplasms of skin	15,597	3.4 (3.4)	0.0	0.2	0.6	1.5	3.4	7.9	16.7
10	Malignant neoplasm of breast	50,687	11.1 (11.1)	0.0	0.4	2.2	8.4	19.0	28.4	29.5
11	Malignant neoplasms of female genital organs	7,245	1.6 (1.6)	0.1	0.2	0.7	1.6	2.5	3.2	3.9
12	Malignant neoplasm of cervix uteri, corpus uteri and part unspecified	11,608	2.5 (2.5)	0.0	0.5	1.4	2.0	3.6	5.4	7.1
13	Malignant tumour of male genitalia	5,194	1.1 (1.1)	0.2	1.1	2.1	1.7	0.9	0.8	0.7
14	Malignant neoplasm of prostate	26,697	5.9 (5.9)	0.0	0.0	0.0	0.5	5.2	19.7	27.0
15	Malignant neoplasms of urinary tract	10,319	2.3 (2.3)	0.1	0.1	0.3	0.8	2.6	6.0	9.9
16	Brain cancer °	15,310	3.4 (3.4)	0.7	1.4	2.0	3.1	4.9	6.8	6.2
17	Malignant neoplasms of ill-defined, secondary and unspecified sites, and of independent (primary) multiple sites	25,619	5.6 (5.6)	0.3	1.0	2.0	4.2	8.9	13.5	14.0
18	Malignant neoplasms, stated or presumed to be primary, of lymphoid, haematopoietic and related tissue	19,712	4.3 (4.3)	1.0	1.6	1.8	2.8	5.3	9.6	12.4
	<b>D – In situ and benign neoplasms, and neoplasms of uncertain or unknown behaviour and diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism</b>	<b>116,560</b>	<b>25.6 (25.7)</b>	<b>5.5</b>	<b>13.7</b>	<b>19.2</b>	<b>21.5</b>	<b>25.6</b>	<b>36.9</b>	<b>80.1</b>
19	In situ neoplasms	19,810	4.3 (4.4)	0.2	2.6	4.3	4.1	5.5	7.3	7.9
20	Haemolytic anaemias	3,055	0.7 (0.7)	0.4	0.8	0.8	0.6	0.5	0.7	1.2
21	Aplastic and other anaemias	14,918	3.3 (3.3)	0.3	0.9	1.4	2.1	2.9	5.5	15.0
22	Other anaemias	46,613	10.2 (10.3)	1.0	2.1	3.5	6.3	8.3	16.1	53.1
23	Coagulation defects, purpura and other haemorrhagic conditions	25,376	5.6 (5.6)	2.9	5.7	6.5	5.8	5.7	5.7	7.1
24	Other diseases of blood and blood-forming organs	8,896	2.0 (2.0)	0.4	0.9	1.5	2.0	2.6	3.4	3.6
25	Certain disorders involving the immune mechanism	7,660	1.7 (1.7)	0.5	1.4	2.2	2.1	2.1	1.9	1.3
	<b>E – Endocrine, nutritional and metabolic diseases</b>	<b>877,433</b>	<b>192.6 (192.7)</b>	<b>16.6</b>	<b>37.8</b>	<b>71.2</b>	<b>147.0</b>	<b>294.0</b>	<b>441.6</b>	<b>501.4</b>
26	Diseases of the thyroid °	131,908	29.0 (29.0)	3.7	10.0	18.9	29.4	41.7	49.1	66.2
27	Thyrotoxicosis °	41,374	9.1 (9.0)	1.0	3.9	6.2	7.8	11.1	14.6	26.7
28	Diabetes type 1 °	23,062	5.1 (5.1)	4.2	4.6	5.7	6.1	5.7	4.6	3.5
29	Diabetes type 2 °	242,177	53.2 (53.3)	0.5	5.4	18.0	37.8	80.3	129.4	152.1
30	Diabetes others °	1,117	0.2 (0.2)	0.1	0.2	0.2	0.2	0.3	0.4	0.5



31	Disorders of other endocrine glands	28,650	6.3 (6.4)	5.0	8.3	6.1	4.6	5.6	7.0	8.9
32	Metabolic disorders	23,690	5.2 (5.2)	2.0	4.0	5.0	5.2	6.1	7.2	8.2
33	Disturbances in lipoprotein circulation and other lipids <sup>c</sup>	652,242	143.2 (143.1)	1.1	5.9	25.9	94.3	233.4	378.1	408.1
34	Cystic fibrosis <sup>c</sup>	947	0.2 (0.2)	0.2	0.3	0.3	0.1	0.1	0.1	0.1
	<b>G – Diseases of the nervous system</b>	<b>561,054</b>	<b>123.2 (123.5)</b>	<b>29.6</b>	<b>67.1</b>	<b>108.6</b>	<b>146.5</b>	<b>173.0</b>	<b>170.8</b>	<b>188.6</b>
35	Inflammatory diseases of the central nervous system	7,642	1.7 (1.7)	0.5	1.3	1.8	1.9	1.9	2.3	2.2
36	Systemic atrophies primarily affecting the central nervous system and other degenerative diseases	10,401	2.3 (2.3)	0.2	0.5	0.6	1.0	2.0	4.0	12.1
37	Parkinson's disease <sup>c</sup>	57,583	12.6 (12.6)	0.9	3.7	7.2	11.3	16.1	23.2	37.3
38	Extrapyramidal and movement disorders	10,837	2.4 (2.4)	0.6	1.1	1.5	2.0	2.9	4.1	6.4
39	Sclerosis	13,284	2.9 (2.9)	0.3	1.7	3.5	4.5	4.6	3.3	1.5
40	Demyelinating diseases of the central nervous system	4,571	1.0 (1.0)	0.2	0.9	1.4	1.5	1.3	0.8	0.4
41	Epilepsy <sup>c</sup>	61,695	13.5 (13.6)	6.9	9.9	12.0	14.6	16.3	17.5	20.3
42	Migraine <sup>c</sup>	149,866	32.9 (33.0)	10.5	23.9	38.2	49.4	49.3	30.9	15.6
43	Other headache syndromes	16,469	3.6 (3.6)	2.6	4.0	5.1	4.8	3.4	2.3	1.8
44	Transient cerebral ischaemic attacks and related syndromes and vascular syndromes of brain in cerebrovascular diseases	43,977	9.7 (9.7)	0.2	0.7	2.3	5.6	12.4	22.5	37.6
45	Sleep disorders	36,806	8.1 (8.1)	1.4	3.6	6.8	11.3	14.3	12.3	5.0
46	Disorders of trigeminal nerve and facial nerve disorders	21,488	4.7 (4.7)	1.0	2.8	4.5	5.4	6.1	6.8	7.4
47	Disorders of other cranial nerves, cranial nerve disorders in diseases classified elsewhere, nerve root and plexus disorders and nerve root and plexus compressions in diseases classified elsewhere	12,429	2.7 (2.7)	0.3	1.0	2.4	3.6	4.3	4.2	3.6
48	Mononeuropathies of upper limb	122,395	26.9 (26.9)	1.7	10.6	23.6	35.4	44.4	37.7	36.5
49	Mononeuropathies of lower limb, other mononeuropathies and mononeuropathy in diseases classified elsewhere	18,627	4.1 (4.1)	0.4	1.6	3.4	5.3	6.5	6.6	5.0
50	Polyneuropathies and other disorders of the peripheral nervous system	30,289	6.6 (6.7)	0.5	1.4	3.0	5.5	9.9	13.5	18.2
51	Diseases of myoneural junction and muscle	5,758	1.3 (1.3)	0.6	0.9	1.2	1.4	1.6	1.7	1.6
52	Cerebral palsy and other paralytic syndromes	14,410	3.2 (3.2)	2.4	3.1	3.0	3.5	3.5	3.4	3.2
53	Other disorders of the nervous system	44,394	9.7 (9.8)	3.4	5.9	8.2	9.9	12.0	15.1	17.0
	<b>H – Diseases of the eye and adnexa and diseases of the ear and mastoid process</b>	<b>448,176</b>	<b>98.4 (98.6)</b>	<b>13.1</b>	<b>24.0</b>	<b>37.6</b>	<b>58.1</b>	<b>104.6</b>	<b>195.6</b>	<b>394.4</b>
54	Disorders of eyelid, lacrimal system and orbit	13,191	2.9 (2.9)	0.4	0.6	1.6	3.0	3.8	5.4	7.5
55	Corneal scars and opacities	2,173	0.5 (0.5)	0.1	0.3	0.3	0.4	0.5	0.7	1.3
56	Other disorders of cornea	9,473	2.1 (2.1)	0.4	1.0	1.5	1.5	2.0	3.3	7.4
57	Diseases of the eye lens (cataracts)	68,009	14.9 (15.1)	0.2	0.4	0.8	3.1	11.1	37.6	84.8
58	Disorders of the choroid and retina	1,900	0.4 (0.4)	0.1	0.2	0.3	0.4	0.5	0.6	1.1
59	Retinal vascular occlusions	10,358	2.3 (2.3)	0.0	0.1	0.3	0.9	2.3	5.1	11.4
60	Other retinal disorders	68,485	15.0 (15.1)	0.4	1.2	3.0	5.3	10.5	26.2	93.7
61	Retinal disorders in diseases classified elsewhere	19,279	4.2 (4.3)	0.6	1.7	2.7	3.9	6.5	8.6	7.4
62	Glaucoma <sup>c</sup>	67,310	14.8 (14.9)	0.5	0.9	2.1	5.3	14.2	33.1	76.4
63	Disorders of the vitreous body and globe	7,572	1.7 (1.7)	0.3	0.7	0.9	1.2	2.7	3.5	3.1
64	Disorders of optic nerve and visual pathways	6,184	1.4 (1.4)	0.6	1.2	1.6	1.7	1.6	1.4	1.4
65	Disorders of ocular muscles, binocular movement, accommodation and refraction	18,247	4.0 (4.0)	2.6	4.8	5.5	5.1	3.4	2.9	2.8
66	Visual disturbances	22,232	4.9 (4.9)	1.2	3.0	3.5	4.4	6.1	7.7	11.1
67	Blindness and partial sight	6,614	1.5 (1.5)	0.4	0.6	0.8	1.1	1.5	1.9	5.6
68	Nystagmus and other irregular eye movements and other disorders of eye and adnexa	11,133	2.4 (2.5)	1.1	1.7	2.1	2.6	2.9	3.5	3.7
69	Otosclerosis	10,360	2.3 (2.3)	0.3	0.5	1.4	2.2	3.2	4.4	5.4
70	Ménière's disease <sup>c</sup>	10,003	2.2 (2.2)	0.1	0.2	0.8	1.7	3.1	4.5	7.3
71	Other diseases of the inner ear	29,865	6.6 (6.3)	0.1	0.4	1.1	3.0	8.5	17.6	24.5
72	Conductive and sensorineural hearing loss	43,238	9.5 (9.6)	3.2	3.5	4.4	6.2	11.0	18.4	29.5
73	Other hearing loss and other disorders of ear, not classified elsewhere	8,306	1.8 (1.8)	0.4	0.6	1.0	1.5	2.3	3.2	5.2
74	Presbycusis (age-related hearing loss)	80,659	17.7 (17.6)	0.2	0.3	0.6	1.4	4.9	26.2	147.4

75	Hearing loss, unspecified	87,806	19.3 (19.3)	1.9	2.5	4.5	9.6	23.2	46.3	74.5
76	Tinnitus	40,124	8.8 (8.7)	0.5	1.9	4.7	8.5	14.7	18.3	17.5
77	Other specified disorders of ear	20,537	4.5 (4.4)	0.5	0.6	1.2	2.4	5.7	11.0	16.1
	<b>I – Diseases of the circulatory system</b>	<b>1,254,427</b>	<b>275.4 (275.5)</b>	<b>20.6</b>	<b>66.3</b>	<b>124.2</b>	<b>231.6</b>	<b>398.8</b>	<b>563.6</b>	<b>753.9</b>
78	Aortic and mitral valve disease °	30,123	6.6 (6.6)	0.4	0.6	1.0	2.2	5.4	13.3	37.7
79	Hypertensive diseases °	1,060,046	232.7 (232.7)	6.5	33.0	79.5	183.3	348.3	509.5	695.8
80	Heart failure °	37,540	8.2 (8.3)	0.2	0.5	1.3	3.4	9.1	18.1	40.3
80A	Ischaemic heart diseases	139,173	30.6 (30.7)	0.3	1.1	5.7	19.3	42.5	71.4	114.5
81	Angina pectoris	78,476	17.2 (17.3)	0.2	0.7	3.7	12.6	26.8	41.9	53.0
82	Acute myocardial infarction and subsequent myocardial infarction	36,654	8.0 (8.1)	0.1	0.3	1.6	5.8	11.5	17.7	29.8
83	AMI complex/other	2,969	0.7 (0.7)	0.0	0.1	0.2	0.5	0.9	1.3	2.3
84	Chronic ischaemic heart disease	84,592	18.6 (18.6)	0.1	0.3	2.0	8.8	23.2	44.8	81.4
85	Pulmonary heart disease and diseases of pulmonary circulation	15,352	3.4 (3.4)	0.5	1.0	1.4	2.0	3.5	6.6	13.0
86	Acute pericarditis	5,563	1.2 (1.2)	0.5	1.1	1.3	1.3	1.5	1.5	1.3
87	Other forms of heart disease	8,119	1.8 (1.8)	0.4	0.8	1.0	1.3	2.0	3.3	5.4
88	Atrioventricular and left bundle branch block	14,604	3.2 (3.2)	0.2	0.4	0.6	0.9	2.1	5.8	20.0
89	Other conduction disorders	11,823	2.6 (2.6)	0.6	1.1	1.2	1.8	2.7	4.4	9.5
90	Paroxysmal tachycardia	39,510	8.7 (8.7)	1.9	3.4	4.5	6.4	11.0	17.0	23.9
91	Atrial fibrillation and flutter	112,342	24.7 (24.7)	0.4	1.3	3.1	7.7	22.9	55.9	132.0
92	Other cardiac arrhythmias	34,418	7.6 (7.6)	0.8	2.0	3.5	5.1	8.4	14.0	28.8
93	Complications and ill-defined descriptions of heart disease and other heart disorders in diseases classified elsewhere	7,337	1.6 (1.6)	0.3	0.6	0.7	1.0	1.8	3.0	5.7
94	Stroke	72,606	15.9 (16.0)	0.3	1.1	3.1	8.8	19.3	35.3	68.7
95	Cerebrovascular diseases	17,308	3.8 (3.8)	0.3	0.7	1.3	2.4	4.9	8.3	13.3
96	Sequelae of cerebrovascular disease	50,952	11.2 (11.2)	0.2	0.6	1.6	5.0	11.9	24.2	55.9
97	Atherosclerosis	32,064	7.0 (7.0)	0.1	0.2	0.7	2.4	7.5	17.3	34.2
98	Aortic aneurysm and aortic dissection	10,296	2.3 (2.3)	0.0	0.1	0.2	0.6	1.9	6.3	11.2
99	Diseases of arteries, arterioles and capillaries	11,830	2.6 (2.6)	0.4	0.9	1.7	2.5	3.4	4.7	6.2
100	Other peripheral vascular diseases	28,508	6.3 (6.3)	0.3	0.5	1.1	2.9	7.6	16.3	24.4
101	Phlebitis, thrombosis of the portal vein and others	37,388	8.2 (8.3)	1.3	3.2	5.5	7.5	9.8	14.1	22.2
102	Varicose veins of lower extremities	23,530	5.2 (5.2)	0.5	2.6	6.0	6.4	6.7	7.6	6.6
103	Haemorrhoids °	74,285	16.3 (16.3)	5.1	17.4	20.1	18.6	16.8	16.9	19.0
104	Oesophageal varices (chronic), varicose veins of other sites, other disorders of veins, non-specific lymphadenitis, other non-infective disorders of lymphatic vessels and lymph nodes and other and unspecified disorders of the circulatory system	15,194	3.3 (3.3)	1.7	2.2	2.6	3.1	4.1	4.9	6.1
	<b>J – Diseases of the respiratory system</b>	<b>1,210,598</b>	<b>265.7 (266.3)</b>	<b>139.1</b>	<b>218.4</b>	<b>261.3</b>	<b>279.4</b>	<b>296.4</b>	<b>327.8</b>	<b>381.9</b>
105	Respiratory allergy °	841,685	184.8 (185.2)	96.2	162.8	195.7	196.6	202.7	216.7	240.3
105 A	Chronic lower respiratory diseases °	418,120	91.8 (92.0)	17.3	66.5	84.8	104.5	111.0	125.9	156.3
106	Bronchitis, not specified as acute or chronic, simple and mucopurulent chronic bronchitis and unspecified chronic bronchitis	12,790	2.8 (2.8)	0.1	0.3	0.7	1.6	3.5	6.2	11.3
107	Emphysema	5,557	1.2 (1.2)	0.0	0.2	0.4	0.9	1.8	2.8	3.7
108	Chronic obstructive lung disease (COPD) °	216,184	47.5 (47.6)	14.5	15.8	21.8	35.6	61.5	93.3	131.4
109	Asthma, status asthmaticus °	361,129	79.3 (79.4)	54.3	62.7	73.8	77.6	86.4	98.9	118.4
110	Bronchiectasis	4,362	1.0 (1.0)	0.1	0.2	0.5	0.7	1.5	2.2	2.2
111	Other diseases of the respiratory system	21,993	4.8 (4.9)	0.7	1.5	2.2	3.5	6.0	10.0	14.6
	<b>K – Diseases of the digestive system</b>	<b>329,337</b>	<b>72.3 (72.6)</b>	<b>23.7</b>	<b>44.1</b>	<b>53.8</b>	<b>68.0</b>	<b>87.5</b>	<b>109.7</b>	<b>157.4</b>
112	Ulcers °	157,379	34.5 (34.8)	8.7	14.9	21.4	30.8	42.8	57.4	91.9
113	Inguinal hernia	25,032	5.5 (5.5)	1.0	1.9	3.3	5.2	7.7	11.0	11.5
114	Ventral hernia	7,941	1.7 (1.7)	0.2	0.6	1.3	1.9	2.4	3.3	3.3
115	Crohn's disease	18,913	4.2 (4.2)	2.5	5.0	5.5	4.6	4.0	3.5	3.4
116	Ulcerative colitis	29,538	6.5 (6.5)	2.5	6.3	7.2	7.3	7.2	7.0	8.2

117	Other non-infective gastroenteritis and colitis	20,844	4.6 (4.6)	1.9	2.9	2.7	3.3	4.9	7.3	12.8
118	Irritable bowel syndrome (IBS)	37,593	8.3 (8.3)	4.1	9.8	8.5	8.8	9.0	9.2	8.4
119	Other functional intestinal disorders	51,933	11.4 (11.5)	5.0	7.0	7.4	8.7	11.6	16.3	34.1
120	Diseases of liver, biliary tract and pancreas	26,956	5.9 (6.0)	0.9	2.3	3.8	6.7	10.0	10.4	8.5
	<b>L – Diseases of the skin and subcutaneous tissue</b>	<b>65,469</b>	<b>14.4 (14.5)</b>	<b>3.4</b>	<b>7.8</b>	<b>12.0</b>	<b>15.5</b>	<b>20.4</b>	<b>23.0</b>	<b>21.7</b>
121	Psoriasis <sup>c</sup>	65,469	14.4 (14.5)	3.4	7.8	12.0	15.5	20.4	23.0	21.7
	<b>M – Diseases of the musculoskeletal system and connective tissue</b>	<b>1,032,808</b>	<b>226.7 (227.1)</b>	<b>73.2</b>	<b>107.4</b>	<b>152.2</b>	<b>217.7</b>	<b>303.2</b>	<b>376.4</b>	<b>470.5</b>
122	Infectious arthropathies	9,402	2.1 (2.1)	0.7	2.0	2.6	2.5	2.2	2.2	2.1
122 A	Inflammatory polyarthropathies and ankylosing spondylitis <sup>c</sup>	165,944	36.4 (36.5)	4.2	11.0	21.5	33.8	52.5	70.2	84.9
123	Rheumatoid arthritis <sup>c</sup>	77,345	17.0 (17.0)	2.9	7.0	13.4	17.8	24.3	29.0	30.5
124	Inflammatory polyarthropathies – except rheumatoid arthritis <sup>c</sup>	115,945	25.5 (25.5)	2.2	7.4	13.2	22.8	37.0	50.6	63.3
125	Polyarthrosis [arthrosis]	16,935	3.7 (3.7)	0.0	0.1	0.5	1.7	6.2	9.6	12.6
126	Coxarthrosis [arthrosis of hip]	104,115	22.9 (22.7)	0.5	1.6	3.7	9.2	23.8	54.3	108.1
127	Gonarthrosis [arthrosis of knee]	178,811	39.3 (39.4)	0.5	2.7	10.8	32.2	62.3	89.8	113.5
128	Arthrosis of first carpometacarpal joint and other arthrosis	91,101	20.0 (20.1)	0.7	3.0	8.1	18.3	35.1	43.4	43.4
129	Acquired deformities of fingers and toes	55,730	12.2 (12.3)	3.0	5.3	7.8	12.4	19.7	23.3	17.1
130	Other acquired deformities of limbs	20,584	4.5 (4.5)	2.3	2.7	3.2	4.6	6.3	6.9	6.9
131	Disorders of patella (knee cap)	38,999	8.6 (8.6)	13.9	16.1	11.6	8.3	4.1	1.7	0.6
132	Internal derangement of knee	9,192	2.0 (2.0)	2.9	3.0	2.6	2.3	1.3	0.8	0.4
133	Derangement of meniscus due to old tear or injury	36,374	8.0 (8.0)	5.4	6.0	8.8	12.1	10.9	6.8	2.5
134	Internal derangement of knee, unspecified	28,206	6.2 (6.2)	6.9	6.4	7.2	8.0	6.2	4.0	2.3
135	Other specific joint derangements	5,923	1.3 (1.3)	2.2	2.1	1.4	1.1	0.8	0.6	0.5
136	Other joint disorders not classified elsewhere	12,043	2.6 (2.7)	1.8	2.2	2.9	3.6	3.2	2.2	1.9
137	Systemic connective tissue disorders	42,631	9.4 (9.4)	1.8	4.4	6.2	7.2	8.9	15.0	32.3
138	Systemic lupus erythematosus	3,376	0.7 (0.7)	0.2	0.5	0.8	0.9	1.1	1.0	0.7
139	Dermatopolymyositis	1,137	0.2 (0.2)	0.0	0.1	0.2	0.2	0.4	0.5	0.4
140	Systemic sclerosis	1,675	0.4 (0.4)	0.0	0.1	0.2	0.4	0.6	0.8	0.5
141	Kyphosis, lordosis	4,160	0.9 (0.9)	0.4	0.6	1.1	1.2	1.2	1.0	0.7
142	Scoliosis	17,686	3.9 (3.9)	6.7	5.3	3.2	2.5	2.7	3.0	4.3
143	Spinal osteochondrosis	8,034	1.8 (1.8)	0.6	1.4	2.1	2.5	2.4	1.7	1.0
144	Other deforming dorsopathies	23,756	5.2 (5.3)	0.7	1.8	3.8	5.9	7.6	8.9	9.9
145	Other inflammatory spondylopathies	7,086	1.6 (1.6)	0.3	1.1	1.8	2.0	1.9	1.9	2.0
146	Spondylosis	61,999	13.6 (13.6)	0.2	1.2	5.4	14.4	24.0	27.0	31.4
147	Other spondylopathies and spondylopathies in diseases classified elsewhere	50,805	11.2 (11.2)	0.1	0.7	2.4	6.2	14.9	26.0	43.7
148	Cervical disc disorders	11,476	2.5 (2.5)	0.1	0.9	3.2	5.1	3.9	1.9	1.2
149	Other intervertebral disc disorders	40,161	8.8 (8.9)	1.4	5.8	11.3	12.8	11.4	9.6	7.6
150	Other dorsopathies not classified elsewhere	7,246	1.6 (1.6)	0.6	1.3	2.1	2.2	1.9	1.4	1.2
151	Dorsalgia	40,780	9.0 (9.0)	3.5	7.2	10.7	11.6	9.6	8.3	11.9
152	Soft tissue disorders	13,422	2.9 (3.0)	2.5	3.5	3.6	3.4	2.5	2.2	2.4
153	Synovitis and tenosynovitis	19,104	4.2 (4.2)	2.6	3.1	3.6	4.8	6.4	4.9	3.8
154	Disorders of synovium and tendon	19,669	4.3 (4.3)	4.7	4.5	4.9	5.1	4.3	3.3	2.1
155	Soft tissue disorders related to use, overuse and pressure	11,090	2.4 (2.4)	1.3	1.5	2.1	2.8	3.0	3.4	3.4
156	Fibroblastic disorders	43,600	9.6 (9.6)	0.5	1.5	4.5	8.7	14.1	21.8	22.6
157	Shoulder lesions	58,112	12.8 (12.7)	3.3	6.0	11.6	20.5	20.7	15.0	8.6
158	Enthesopathies of lower limb, excluding foot	11,223	2.5 (2.5)	2.4	2.5	3.0	3.3	2.5	1.6	0.9
159	Other enthesopathies	10,500	2.3 (2.3)	0.9	1.6	3.1	4.1	2.8	1.6	1.0
160	Rheumatism, unspecified	6,852	1.5 (1.5)	0.1	0.5	1.4	2.4	2.7	1.8	1.2
161	Myalgia	10,168	2.2 (2.2)	0.4	1.3	2.3	3.1	3.1	2.5	3.0
162	Other soft tissue disorders not classified elsewhere	7,939	1.7 (1.7)	0.6	1.7	2.0	2.1	2.2	1.9	1.7
163	Other soft tissue disorders not classified elsewhere: pain in limb	22,201	4.9 (4.9)	3.4	3.5	4.7	5.7	5.4	5.2	6.7
164	Fibromyalgia	3,399	0.7 (0.7)	0.1	0.5	1.0	1.4	1.1	0.5	0.3

165	Osteoporosis <sup>c</sup>	158,813	34.9 (34.8)	0.1	0.4	1.3	8.4	45.0	89.2	163.6
166	Osteoporosis in diseases classified elsewhere	1,007	0.2 (0.2)	0.0	0.1	0.1	0.2	0.3	0.5	0.7
167	Adult osteomalacia and other disorders of bone density and structure	43,271	9.5 (9.5)	0.7	1.8	3.0	6.9	16.7	21.9	22.7
168	Disorders of continuity of bone	1,865	0.4 (0.4)	0.4	0.3	0.3	0.4	0.5	0.5	0.5
169	Other osteopathies	24,251	5.3 (5.3)	1.0	2.1	3.2	4.7	7.2	9.9	12.4
170	Other disorders of the musculoskeletal system and connective tissue	30,038	6.6 (6.6)	2.8	6.0	7.1	7.5	7.4	7.4	8.2
	<b>N – Diseases of the genitourinary system</b>	<b>20,162</b>	<b>4.4 (4.5)</b>	<b>0.5</b>	<b>0.9</b>	<b>1.5</b>	<b>2.5</b>	<b>4.3</b>	<b>8.3</b>	<b>20.0</b>
171	Chronic renal failure (CRF) <sup>c</sup>	20,162	4.4 (4.5)	0.5	0.9	1.5	2.5	4.3	8.3	20.0
	<b>Q – Congenital malformations, deformations and chromosomal abnormalities</b>	<b>124,898</b>	<b>27.4 (27.5)</b>	<b>24.2</b>	<b>38.9</b>	<b>38.0</b>	<b>27.1</b>	<b>21.6</b>	<b>19.6</b>	<b>16.2</b>
172	Congenital malformations: of the nervous, circulatory and respiratory systems, cleft palate and cleft lip, urinary tract, bones and muscles, other and chromosomal abnormalities not classified elsewhere	85,534	18.8 (18.9)	18.1	26.9	25.8	18.6	14.7	12.7	9.8
173	Congenital malformations of eye, ear, face and neck	19,689	4.3 (4.3)	4.5	7.7	6.3	3.7	2.9	2.3	1.8
174	Other congenital malformations of the digestive system	6,481	1.4 (1.4)	0.6	1.0	1.2	1.2	1.6	2.1	2.9
175	Congenital malformations of the sexual organs	16,192	3.6 (3.6)	1.7	4.5	5.9	4.1	2.8	2.8	1.9
	<b>F – Mental and behavioural disorders</b>	<b>683,194</b>	<b>150.0 (150.7)</b>	<b>104.9</b>	<b>145.7</b>	<b>152.1</b>	<b>155.7</b>	<b>154.3</b>	<b>138.1</b>	<b>223.7</b>
176	Dementia <sup>c</sup>	36,803	8.1 (8.1)	0.0	0.0	0.0	0.3	1.6	10.6	71.7
177	Organic, including symptomatic, mental disorders	26,430	5.8 (5.9)	1.0	2.7	3.6	4.5	5.8	7.6	22.6
178	Mental and behavioural disorders due to use of alcohol	59,143	13.0 (13.2)	8.8	8.7	10.4	17.6	19.5	15.1	7.9
179	Mental and behavioural disorders due to use of psychoactive substances	53,669	11.8 (11.9)	11.9	15.5	12.6	12.8	11.2	9.0	7.2
180	Schizophrenia <sup>c</sup>	29,422	6.5 (6.5)	4.1	8.6	8.5	8.4	6.8	3.9	2.2
181	Schizotypal and delusional disorders	39,694	8.7 (8.8)	5.4	10.8	11.1	10.5	8.8	6.2	6.2
182	Bipolar affective disorder <sup>c</sup>	22,669	5.0 (5.0)	1.7	4.0	5.0	5.7	6.7	6.1	5.7
183	Depression <sup>c</sup>	454,933	99.9 (100.2)	45.4	87.2	101.0	107.1	111.6	103.1	165.8
184	Mood (affective) disorders	6,887	1.5 (1.5)	0.6	1.6	1.7	1.7	1.7	1.4	1.7
185	Phobic anxiety disorders	14,324	3.1 (3.2)	3.3	6.6	5.0	3.0	1.7	0.6	0.3
186	Other anxiety disorders	38,079	8.4 (8.4)	6.0	12.7	11.2	9.3	7.1	4.8	5.3
187	Obsessive compulsive disorder (OCD) <sup>c</sup>	10,062	2.2 (2.2)	4.0	4.9	2.7	1.4	0.8	0.5	0.5
188	Post-traumatic stress disorder	16,055	3.5 (3.6)	1.3	3.9	6.0	6.1	3.4	1.0	0.4
189	Reactions to severe stress and adjustment disorders	61,701	13.5 (13.7)	18.8	19.9	17.2	14.9	9.9	4.8	4.4
190	Dissociative (conversion) disorders, somatoform disorders and other neurotic disorders	21,420	4.7 (4.7)	2.0	4.9	6.5	6.4	5.0	3.6	3.1
191	Eating disorders	7,751	1.7 (1.7)	5.2	4.2	1.4	0.5	0.2	0.1	0.1
192	Behavioural syndromes associated with physiological disturbances and physical factors	6,163	1.4 (1.3)	0.9	2.6	2.1	1.4	1.0	0.5	0.3
193	Emotionally unstable personality disorder	21,848	4.8 (4.9)	5.0	10.2	7.9	4.7	2.3	0.8	0.2
194	Specific personality disorders	50,415	11.1 (11.2)	6.8	18.5	17.3	13.3	8.9	4.9	2.7
195	Disorders of adult personality and behaviour	17,533	3.8 (3.9)	2.3	6.4	6.2	4.9	3.0	1.5	0.7
196	Mental retardation	13,822	3.0 (3.1)	4.3	4.0	3.2	3.2	2.7	1.8	1.2
197	Disorders of psychological development	9,911	2.2 (2.2)	7.4	3.8	1.5	0.9	0.6	0.4	0.3
198	Hyperkinetic disorders (ADHD) <sup>c</sup>	42,908	9.4 (9.5)	26.3	15.9	10.2	5.8	2.7	1.4	1.0
199	Behavioural and emotional disorders with onset usually occurring in childhood and adolescence	39,602	8.7 (8.8)	11.9	13.8	10.0	8.4	6.3	4.5	3.7
	<b>Having one or more chronic conditions</b>	<b>2,989,441</b>	<b>656.2 (657.2)</b>	<b>338.1</b>	<b>493.3</b>	<b>591.0</b>	<b>678.9</b>	<b>788.1</b>	<b>877.2</b>	<b>953.9</b>
	<b>Mean number of chronic conditions (std. dev)</b>		<b>2.2 (2,8)</b>	<b>0.6 (1.2)</b>	<b>1.1 (1.6)</b>	<b>1.4 (1.9)</b>	<b>1.9 (2.3)</b>	<b>2.8 (2.8)</b>	<b>3.8 (3.2)</b>	<b>5.3 (3.6)</b>
	Depression medicine <sup>c</sup> **	529,918	116.3 (116.7)	54.5	93.4	113.8	124.3	130.1	126.8	201.9
	Antipsychotic medicine <sup>c</sup> **	138,625	30.4 (30.6)	20.2	27.1	30.3	32.9	32.2	30.2	44.8
	Indication prescribed anxiety medicine <sup>c</sup> **	102,568	22.5 (22.6)	12.4	21.6	24.7	24.9	24.2	21.4	30.1
	Heart failure medication <sup>c</sup> **	7,468	1.6 (1.7)	0.0	0.1	0.2	0.8	1.9	3.6	7.5
	Ischaemic heart medication <sup>c</sup> **	129,484	28.4 (28.5)	0.2	0.7	2.9	10.9	29.8	63.1	147.3
	<b>All of the five types of medicine above</b>	<b>688,006</b>	<b>151.0 (151.6)</b>	<b>64.8</b>	<b>104.5</b>	<b>126.8</b>	<b>145.5</b>	<b>167.6</b>	<b>192.2</b>	<b>331.1</b>

	Others: arthrosis combined (M15-M19)	338,166	74.2 (74.3)	1.7	7.3	22.1	57.3	113.2	166.7	226.3
	Others: overweight (E86)	220,928	48.5 (49.3)	12.8	70.4	77.8	48.3	44.6	44.1	28.8

<sup>c</sup> complex defined condition, see reference for further details [1]. \*\* 2-year prevalence. Conditions marked 'A' overlap with other conditions and are thus not counted twice [1]. Standardised estimates in brackets.

### **Supplementary Material 3: Comments on selected national conditions, overview means and prevalences of number of conditions (comorbidity)**

In the following, some selected conditions are commented upon. The selection is not complete with regard to all interesting findings, as this is not possible. The selected conditions are chosen as they are common, have some disparities, and are included in the national health profiles so that they can be compared to self-reported estimates [2].

Register-based arthrosis has a lower register-based prevalence than the self-reported estimate of 19.7% [2], including when register diagnoses M15–M19 are summarised (N = 338,166 or 7.4% of the population). A recent European study confirmed both varying and higher prevalence rates than those of the current study [3]. Since arthrosis affects most people around the age of 60–80 [3], but does not necessarily cause limitations, the condition is not expected to be reported by hospitals or GPs for all patients. Therefore, it is not necessarily ‘chronic’ by the definition of the current study if there is no functional or medical need. Nevertheless, there is no reported disease-specific medicine used exclusively for osteoarthritis that can be used here, and the validity of using medication indication codes seems poor, with only a few uses, making it difficult to use registers to include the condition fully.

Although migraine is defined along with the unclear term ‘frequent headaches’ in the self-reported survey (14.5%) [2], the register-based estimates of ‘migraine’ and ‘headache unspecified’ of 4.9% and 0.4%, respectively, are also lower than in a Norwegian study measuring the prevalence of migraine (12.0%) and headache (37.7%), respectively [4]. Comparisons are, however, difficult, since the referenced study measured 1-year prevalence, which is not comparable with the definition in the current study. In addition, the Danish self-reported migraine and ‘frequent headaches’ [2] is a case example of a less severe condition with overlapping, ill-defined aetiology and high variability that for many cases may not be chronic by the definition of this study, thereby illustrating again the scope of challenges in providing reliable estimates. However, the prevalence estimates in the current study are probably still too low.

With regard to tinnitus, there are differences ranging between 0.9% for the current study and the self-reported estimate of 12.1% [2]; other studies show higher prevalences ranging from

4.4 to 15.1% [5]. Also, other studies show that only 1% have severely reduced quality of life due to tinnitus [6], suggesting a high variability in the severity of tinnitus and thereby also meeting the definition of ‘chronic’. However, many may still be treated by private specialists without reporting the condition, which may be the most prevalent reason for possible register under-reporting. Thus, further validation might consider including economic settlement information for hearing aids if possible, while at the same time observing changes in the register-based prevalence.

As regards cataracts, which have a self-reported prevalence of 4.1% [2], a recent literature review identified a much higher prevalence of cataracts, indicating the register estimates in the current study to be too low [7]. Furthermore, as with ear conditions, eye conditions are often treated by private specialists who do not yet report to the NPR. Thus, further validation and development of the register-based definition of cataracts might be considered for future studies if possible.

Table 3. Overview: N, prevalence rate per thousand, age and gender (per cent within gender) of disease groups of conditions and chosen medicines for Denmark at 1 January 2013. Standardised rates or mean std. dev. in brackets. See table with 10-year age intervals in Supplementary Material 2.

Name of condition	ICD-10 code / definition	N and prevalence						
		Denmark		Men	Age 16–44	Age 45–74	Age 75 or above	
		N	Per thousand (standardised)	Per cent	Per thousand			
B – Viral hepatitis and human immunodeficiency virus [HIV] disease	B18, B20–B24	8,813	1.9 (2.0)	65.3	1.8	2.4	0.3	
C – Malignant neoplasms	C00–C99; D32–D33; D35.2–D35.4; D42–D44	229,331	50.3 (50.4)	43.3	10.2	69.4	155.8	
D – In situ and benign neoplasms, and neoplasms of uncertain or unknown behaviour and diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	D00–D09; D55–D59; D60–D67; D80–D89	116,560	25.6 (25.7)	36.3	13.2	27.3	80.1	
E – Endocrine, nutritional and metabolic diseases	E00–E14; E20–E29; E31–35; E70–E78; E84–E85; E88–E89	877,433	192.6 (192.7)	45.6	43.5	279.6	501.4	
G – Diseases of the nervous system	G00–G14; G20–G32; G35–G37; G40–47; G50–64; G70–73; G80–G83; G90–G99	561,054	123.2 (123.5)	40.1	70.6	162.2	188.6	
H – Diseases of the eye and adnexa and diseases of the ear and mastoid process	H02–H06; H17–H18; H25–H28; H31–H32; H34–H36; H40–55; H57; H80,H810; H93, H90–H93	448,176	98.4 (98.6)	47.5	25.6	112.6	394.4	
I – Diseases of the circulatory system	I05–I06; I10–28; I30–33;I36–141; I44–I52; I60–I88; I90–I94; I96–I99	1,254,427	275.4 (275.5)	45.3	73.3	381.5	753.9	
J – Diseases of the respiratory system	J30.1; J40–J47; J60–J84; J95, J97–J99	1,210,598	265.7 (266.3)	42.1	209.3	298.8	381.9	
K – Diseases of the digestive system	K25–K27; K40, K43, K50–52; K58–K59; K71–K77; K86–K87	329,337	72.3 (72.6)	44.7	41.3	86.3	157.4	
L – Diseases of the skin and subcutaneous tissue	L40	65,469	14.4 (14.5)	47.8	7.9	19.3	21.7	
M – Diseases of the musculoskeletal system and connective tissue	M01–M25; M30–M36; M40–M54; M60.1–M99	1,032,808	226.7 (227.1)	42.2	113.2	291.2	470.5	
N – Diseases of the genitourinary system	N18	20,162	4.4 (4.5)	59.4	1.0	4.8	20.0	
Q – Congenital malformations, deformations and chromosomal abnormalities	Q00–Q56; Q60–Q99	124,898	27.4 (27.5)	41.7	33.9	23.2	16.2	
F – Mental and behavioural disorders	F00–99	683,194	150.0 (150.7)	41.0	135.2	150.2	223.7	
Having one or more chronic conditions		2,989,441	656.2 (657.2)	45.5	480.5	771.5	953.9	
Mean number of chronic conditions (std. dev)		2.2 (2,8)	- -	2.0 (2.6)	1.1 (1.6)	2.7 (2.8)	5.3 (3.6)	
Depression medicine <sup>c</sup> **	ATC: N06A.	529,918	116.3 (116.7)	36.3	88.7	126.9	201.9	
Antipsychotic medicine <sup>c</sup> **	ATC: N05A.	138,625	30.4 (30.6)	45.7	26.1	31.9	44.8	
Indication prescribed anxiety medicine <sup>c</sup> **	All prescriptions with either indication codes 163 (for anxiety) or 371 (for anxiety, addictive)	102,568	22.5 (22.6)	34.5	19.9	23.7	30.1	
Heart failure medication <sup>c</sup> **	ATC: C01AA05, C03, C07 or C09A with indication code 430 (for heart failure)	7,468	1.6 (1.7)	64.6	0.1	2.0	7.5	
Ischaemic heart medication <sup>c</sup> **	ATC: C01A, C01B, C01D, C01E.	129,484	28.4 (28.5)	51.8	1.4	32.0	147.3	
All of the five types of medicine above		688,006	151.0 (151.6)	40.4	100.2	166.1	331.1	

<sup>c</sup> complex defined condition, see reference for further details [1]. \*\* 2-year prevalence. Conditions marked 'A' overlap with other conditions and are thus not counted twice [1].



The maximum number of chronic conditions, one person have, is 36. In the tables below, prevalences of number of conditions are presented by gender and age.

Table 4. Number of conditions by age in per cent and means (comorbidity)

	Age 16-24	Age 25-34	Age 35-44	Age 45-54	Age 55-64	Age 65-74	Age >=75	All N	All Per cent
0 condition	66.2	50.7	40.9	32.1	21.2	12.3	4.6	1,565,998	34.4
1 condition	19.5	23.6	24.9	23.2	19.2	14.5	7.8	906,365	19.9
2 conditions	7.6	11.6	14.1	15.5	16.3	15.0	10.6	601,767	13.2
3 conditions	3.5	6.5	8.5	10.6	12.9	14.0	12.3	435,614	9.6
4 conditions	1.6	3.4	4.8	6.8	9.4	11.6	12.1	306,882	6.7
5 conditions	0.8	1.8	2.8	4.3	6.7	9.1	11.3	218,183	4.8
6 conditions	0.4	1.0	1.6	2.7	4.7	6.8	9.7	155,685	3.4
7 conditions	0.2	0.6	0.9	1.7	3.2	5.0	7.9	109,688	2.4
8 conditions	0.1	0.3	0.6	1.1	2.1	3.6	6.3	77,563	1.7
9 conditions	0.1	0.2	0.4	0.7	1.4	2.5	4.8	54,429	1.2
10 or more conditions	0.1	0.3	0.6	1.3	2.9	5.7	12.7	123,265	2.7
<b>Total %</b>	100	100	100	100	100	100	100	4,555,439	100
<b>N</b>	648,269	650,285	760,514	801,708	694,862	594,029	405,772	-	-
<b>Mean nmb. conditions (std. dev.)</b>	<b>0.6 (1.2)</b>	<b>1.1 (1.6)</b>	<b>1.4 (1.9)</b>	<b>1.9 (2.3)</b>	<b>2.8 (2.8)</b>	<b>3.8 (3.2)</b>	<b>5.3 (3.6)</b>	<b>2.2 (2.8)</b>	<b>-</b>

Table 5. Number of conditions by gender and age in per cent and means (comorbidity)

	Age 16-24	Age 25-34	Age 35-44	Age 45-54	Age 55-64	Age 65-74	Age >=75	All N	All Per cent
<b>Men</b>									
0 condition	69.3	56.9	47.4	37.3	24.7	13.8	5.3	881,465	39.3
1 condition	18.8	22.4	24.0	23.1	19.5	14.7	8.3	444,066	19.8
2 conditions	6.8	9.9	12.4	14.3	15.8	14.7	10.7	274,281	12.2
3 conditions	2.9	5.3	7.2	9.6	12.2	13.7	12.1	194,328	8.7
4 conditions	1.2	2.6	3.8	5.9	8.9	11.4	11.8	133,575	6.0
5 or more conditions	1.1	2.9	5.1	9.9	19.0	31.8	51.8	314,707	14.0
<b>Total %</b>	100.1	100	99.9	100.1	100.1	100.1	100	-	100
<b>N</b>	331,170	327,436	381,978	404,507	345,379	288,496	163,456	2,242,422	-
<b>Mean number of conditions (std. dev.)</b>	<b>0.5 (1.0)</b>	<b>0.9 (1.4)</b>	<b>1.2 (1.7)</b>	<b>1.7 (2.2)</b>	<b>2.6 (2.7)</b>	<b>3.7 (3.2)</b>	<b>5.3 (5.7)</b>	<b>2.0 (2.6)</b>	<b>-</b>
<b>Women</b>									
0 condition	63.0	44.4	34.3	26.9	17.8	10.9	4.1	684,533	29.6
1 condition	20.3	24.7	25.8	23.3	19.0	14.2	7.5	462,299	20.0
2 conditions	8.5	13.2	15.8	16.7	16.9	15.4	10.5	327,486	14.2
3 conditions	4.1	7.7	9.8	11.6	13.5	14.2	12.4	241,286	10.4
4 conditions	2.0	4.4	5.8	7.7	10.0	11.8	12.3	173,307	7.5
5 or more conditions	2.2	5.7	8.6	13.8	22.9	33.5	53.3	424,106	18.3
<b>Total %</b>	100.1	100.1	100.1	100	100.1	100	100.1	-	100
<b>N</b>	317,099	322,849	378,536	397,201	349,483	305,533	242,316	2,313,017	-
<b>Mean number of conditions (std. dev.)</b>	<b>0.7 (1.3)</b>	<b>1.3 (1.8)</b>	<b>1.7 (2.0)</b>	<b>2.2 (2.4)</b>	<b>3.0 (2.8)</b>	<b>3.8 (3.2)</b>	<b>5.4 (3.6)</b>	<b>2.4 (2.9)</b>	<b>-</b>

## Supplementary Material 4: Regional differences standardised - for all 199 conditions

Table 6. N and prevalence of conditions and medicine for Denmark and the five regions – standardised by age, gender and education at 1 January 2013

Nr	Condition	Denmark		Capital Region of Denmark		Central Denmark Region		North Denmark Region		Region of Southern Denmark		Zealand Region	
		N	Per thousand	N	Per thousand	N	Per thousand	N	Per thousand	N	Per thousand	N	Per thousand
	<b>B – Viral hepatitis and human immunodeficiency virus [HIV] disease</b>	<b>8,940</b>	<b>2.0</b>	<b>4,167</b>	<b>2.9</b>	<b>1,896</b>	<b>1.8</b>	<b>481</b>	<b>1.0</b>	<b>1,451</b>	<b>1.5</b>	<b>944</b>	<b>1.4</b>
1	Chronic viral hepatitis	4,654	1.0	1,700	1.2	1,288	1.3	281	0.6	934	1.0	450	0.7
2	Human immunodeficiency virus [HIV] disease	4,286	0.9	2,467	1.7	609	0.6	200	0.4	517	0.5	493	0.7
	<b>C – Malignant neoplasms</b>	<b>229,685</b>	<b>50.4</b>	<b>74,242</b>	<b>52.5</b>	<b>51,797</b>	<b>50.5</b>	<b>21,623</b>	<b>45.5</b>	<b>47,436</b>	<b>48.6</b>	<b>34,587</b>	<b>52.0</b>
3	Malignant neoplasms of other and unspecified localisations	20,810	4.6	8,281	5.9	4,208	4.1	2,047	4.3	3,170	3.2	3,104	4.7
4	Malignant neoplasms of digestive organs	4,879	1.1	1,774	1.3	998	1.0	440	0.9	921	0.9	746	1.1
5	Malignant neoplasm of colon	18,898	4.1	6,600	4.7	3,765	3.7	1,808	3.8	3,669	3.8	3,056	4.6
6	Malignant neoplasms of rectosigmoid junction, rectum, anus and anal canal	10,681	2.3	3,365	2.4	2,269	2.2	1,167	2.5	2,220	2.3	1,660	2.5
7	Malignant neoplasm of bronchus and lung	14,824	3.3	3,331	2.4	5,582	5.4	1,063	2.2	3,041	3.1	1,807	2.7
8	Malignant melanoma of skin	19,639	4.3	7,327	5.2	3,459	3.4	1,423	3.0	4,266	4.4	3,164	4.8
9	Other malignant neoplasms of skin	15,679	3.4	5,137	3.6	3,443	3.4	933	2.0	4,013	4.1	2,153	3.2
10	Malignant neoplasm of breast	50,777	11.1	16,446	11.6	11,379	11.1	4,791	10.1	11,309	11.6	6,852	10.3
11	Malignant neoplasms of female genital organs	7,177	1.6	2,229	1.6	1,202	1.2	635	1.3	1,312	1.3	1,799	2.7
12	Malignant neoplasm of cervix uteri, corpus uteri and part unspecified	11,537	2.5	3,430	2.4	2,240	2.2	1,205	2.5	2,294	2.4	2,368	3.6
13	Malignant tumour of male genitalia	5,210	1.1	1,679	1.2	1,115	1.1	526	1.1	1,075	1.1	816	1.2
14	Malignant neoplasm of prostate	26,701	5.9	8,435	6.0	5,791	5.6	3,224	6.8	5,300	5.4	3,952	5.9
15	Malignant neoplasms of urinary tract	10,291	2.3	2,989	2.1	2,363	2.3	1,245	2.6	2,113	2.2	1,580	2.4
16	Brain cancer <sup>c</sup>	15,364	3.4	5,284	3.7	3,155	3.1	1,546	3.3	2,719	2.8	2,660	4.0
17	Malignant neoplasms of ill-defined, secondary and unspecified sites, and of independent (primary) multiple sites	25,708	5.6	6,162	4.4	9,278	9.0	2,498	5.3	4,832	5.0	2,939	4.4
18	Malignant neoplasms, stated or presumed to be primary, of lymphoid, haematopoietic and related tissue	19,703	4.3	6,205	4.4	4,419	4.3	1,744	3.7	4,580	4.7	2,756	4.1
	<b>D – In situ and benign neoplasms, and neoplasms of uncertain or unknown behaviour and diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism</b>	<b>117,140</b>	<b>25.7</b>	<b>35,823</b>	<b>25.4</b>	<b>29,089</b>	<b>28.3</b>	<b>10,527</b>	<b>22.1</b>	<b>24,421</b>	<b>25.0</b>	<b>17,281</b>	<b>26.0</b>

19	In situ neoplasms	19,901	4.4	6,233	4.4	3,895	3.8	2,149	4.5	4,640	4.8	2,984	4.5
20	Haemolytic anaemias	3,041	0.7	1,082	0.8	736	0.7	239	0.5	602	0.6	383	0.6
21	Aplastic and other anaemias	15,108	3.3	5,627	4.0	2,976	2.9	1,449	3.0	2,570	2.6	2,486	3.7
22	Other anaemias	46,815	10.3	14,234	10.1	10,811	10.5	4,184	8.8	10,404	10.7	7,182	10.8
23	Coagulation defects, purpura and other haemorrhagic conditions	25,524	5.6	7,015	5.0	8,804	8.6	1,762	3.7	4,362	4.5	3,581	5.4
24	Other diseases of blood and blood-forming organs	8,904	2.0	2,782	2.0	2,160	2.1	707	1.5	1,962	2.0	1,292	1.9
25	Certain disorders involving the immune mechanism	7,648	1.7	2,056	1.5	1,850	1.8	895	1.9	1,749	1.8	1,099	1.7
	<b>E – Endocrine, nutritional and metabolic diseases</b>	<b>877,683</b>	<b>192.7</b>	<b>260,800</b>	<b>184.6</b>	<b>203,022</b>	<b>197.8</b>	<b>94,353</b>	<b>198.4</b>	<b>194,071</b>	<b>198.9</b>	<b>125,437</b>	<b>188.7</b>
26	Diseases of the thyroid °	131,909	29.0	41,838	29.6	28,311	27.6	11,427	24.0	29,059	29.8	21,274	32.0
27	Thyrotoxicosis °	41,200	9.0	11,616	8.2	9,815	9.6	5,624	11.8	9,616	9.9	4,529	6.8
28	Diabetes type 1 °	23,120	5.1	6,547	4.6	5,482	5.3	2,502	5.3	5,282	5.4	3,307	5.0
29	Diabetes type 2 °	242,682	53.3	73,650	52.1	55,267	53.8	24,685	51.9	53,782	55.1	35,299	53.1
30	Diabetes others °	1,127	0.2	348	0.2	226	0.2	86	0.2	314	0.3	153	0.2
31	Disorders of other endocrine glands	28,944	6.4	8,283	5.9	7,932	7.7	2,086	4.4	7,072	7.2	3,571	5.4
32	Metabolic disorders	23,723	5.2	7,038	5.0	6,076	5.9	1,887	4.0	5,486	5.6	3,238	4.9
33	Disturbances in lipoprotein circulation and other lipids °	652,111	143.1	189,944	134.4	154,201	150.2	73,443	154.4	143,266	146.8	91,256	137.3
34	Cystic fibrosis °	928	0.2	467	0.3	121	0.1	57	0.1	127	0.1	156	0.2
	<b>G – Diseases of the nervous system</b>	<b>562,699</b>	<b>123.5</b>	<b>160,082</b>	<b>113.3</b>	<b>133,562</b>	<b>130.1</b>	<b>55,326</b>	<b>116.3</b>	<b>128,695</b>	<b>131.9</b>	<b>85,035</b>	<b>128.0</b>
35	Inflammatory diseases of the central nervous system	7,669	1.7	2,479	1.8	1,748	1.7	660	1.4	1,661	1.7	1,121	1.7
36	Systemic atrophies primarily affecting the central nervous system and other degenerative diseases	10,566	2.3	4,567	3.2	1,741	1.7	574	1.2	1,748	1.8	1,937	2.9
37	Parkinson's disease °	57,565	12.6	15,991	11.3	13,669	13.3	6,524	13.7	13,482	13.8	7,899	11.9
38	Extrapyramidal and movement disorders	10,893	2.4	3,329	2.4	2,961	2.9	936	2.0	2,308	2.4	1,360	2.0
39	Sclerosis	13,317	2.9	3,969	2.8	3,071	3.0	1,210	2.5	3,033	3.1	2,033	3.1
40	Demyelinating diseases of the central nervous system	4,562	1.0	1,167	0.8	1,009	1.0	523	1.1	1,055	1.1	808	1.2
41	Epilepsy °	61,993	13.6	16,933	12.0	15,888	15.5	6,260	13.2	13,761	14.1	9,152	13.8
42	Migraine °	150,385	33.0	44,956	31.8	33,119	32.3	15,622	32.8	33,423	34.3	23,266	35.0
43	Other headache syndromes	16,580	3.6	5,896	4.2	3,296	3.2	1,239	2.6	3,913	4.0	2,235	3.4
44	Transient cerebral ischaemic attacks and related syndromes and vascular syndromes of brain in cerebrovascular diseases	44,079	9.7	13,052	9.2	10,491	10.2	4,941	10.4	9,415	9.6	6,180	9.3
45	Sleep disorders	36,919	8.1	10,856	7.7	9,235	9.0	4,070	8.6	7,403	7.6	5,355	8.1
46	Disorders of trigeminal nerve and facial nerve disorders	21,602	4.7	7,018	5.0	4,482	4.4	1,789	3.8	5,244	5.4	3,069	4.6
47	Disorders of other cranial nerves, cranial nerve disorders in diseases classified elsewhere, nerve	12,512	2.7	3,913	2.8	2,635	2.6	917	1.9	3,546	3.6	1,502	2.3

	root and plexus disorders and nerve root and plexus compressions in diseases classified elsewhere												
48	Mononeuropathies of upper limb	122,454	26.9	26,653	18.9	35,077	34.2	11,924	25.1	33,372	34.2	15,428	23.2
49	Mononeuropathies of lower limb, other mononeuropathies and mononeuropathy in diseases classified elsewhere	18,671	4.1	4,627	3.3	5,132	5.0	1,570	3.3	5,096	5.2	2,247	3.4
50	Polyneuropathies and other disorders of the peripheral nervous system	30,571	6.7	9,208	6.5	8,020	7.8	2,489	5.2	7,683	7.9	3,171	4.8
51	Diseases of myoneural junction and muscle	5,763	1.3	1,857	1.3	1,314	1.3	545	1.1	1,173	1.2	873	1.3
52	Cerebral palsy and other paralytic syndromes	14,481	3.2	4,021	2.8	3,514	3.4	1,371	2.9	3,154	3.2	2,421	3.6
53	Other disorders of the nervous system	44,422	9.8	14,714	10.4	5,459	5.3	2,262	4.8	6,718	6.9	15,269	23.0
	<b>H – Diseases of the eye and adnexa and diseases of the ear and mastoid process</b>	<b>448,968</b>	<b>98.6</b>	<b>143,318</b>	<b>101.4</b>	<b>101,054</b>	<b>98.5</b>	<b>46,479</b>	<b>97.7</b>	<b>96,865</b>	<b>99.3</b>	<b>61,251</b>	<b>92.2</b>
54	Disorders of eyelid, lacrimal system and orbit	13,194	2.9	3,404	2.4	3,262	3.2	1,809	3.8	3,475	3.6	1,243	1.9
55	Corneal scars and opacities	2,165	0.5	323	0.2	808	0.8	314	0.7	485	0.5	235	0.4
56	Other disorders of cornea	9,546	2.1	2,243	1.6	3,371	3.3	1,127	2.4	1,793	1.8	1,013	1.5
57	Diseases of the eye lens (cataracts)	68,649	15.1	23,971	17.0	16,442	16.0	5,716	12.0	13,989	14.3	8,532	12.8
58	Disorders of the choroid and retina	1,901	0.4	538	0.4	343	0.3	263	0.6	464	0.5	294	0.4
59	Retinal vascular occlusions	10,389	2.3	3,450	2.4	2,353	2.3	946	2.0	2,200	2.3	1,440	2.2
60	Other retinal disorders	68,812	15.1	22,318	15.8	16,247	15.8	6,461	13.6	14,329	14.7	9,457	14.2
61	Retinal disorders in diseases classified elsewhere	19,366	4.3	3,233	2.3	9,131	8.9	1,313	2.8	3,138	3.2	2,550	3.8
62	Glaucoma <sup>c</sup>	67,747	14.9	21,365	15.1	17,976	17.5	6,712	14.1	13,265	13.6	8,430	12.7
63	Disorders of the vitreous body and globe	7,631	1.7	2,212	1.6	2,148	2.1	1,139	2.4	1,400	1.4	733	1.1
64	Disorders of optic nerve and visual pathways	6,221	1.4	2,012	1.4	1,227	1.2	789	1.7	1,318	1.4	875	1.3
65	Disorders of ocular muscles, binocular movement, accommodation and refraction	18,251	4.0	6,125	4.3	3,702	3.6	2,321	4.9	3,495	3.6	2,609	3.9
66	Visual disturbances	22,250	4.9	5,732	4.1	5,580	5.4	3,763	7.9	4,537	4.6	2,639	4.0
67	Blindness and partial sight	6,778	1.5	2,818	2.0	1,194	1.2	650	1.4	1,226	1.3	891	1.3
68	Nystagmus and other irregular eye movements and other disorders of eye and adnexa	11,296	2.5	6,300	4.5	1,817	1.8	878	1.8	1,291	1.3	1,010	1.5
69	Otosclerosis	10,345	2.3	3,431	2.4	1,931	1.9	1,040	2.2	2,310	2.4	1,633	2.5
70	Ménière's disease <sup>c</sup>	9,957	2.2	2,946	2.1	1,911	1.9	877	1.8	2,576	2.6	1,646	2.5
71	Other diseases of the inner ear	28,906	6.3	5,035	3.6	4,470	4.4	5,778	12.1	9,582	9.8	4,040	6.1
72	Conductive and sensorineural hearing loss	43,621	9.6	16,235	11.5	9,435	9.2	4,372	9.2	7,911	8.1	5,668	8.5
73	Other hearing loss and other disorders of ear not classified elsewhere	8,203	1.8	2,304	1.6	1,298	1.3	758	1.6	2,627	2.7	1,215	1.8
74	Presbycusis (age-related hearing loss)	80,204	17.6	26,707	18.9	11,827	11.5	10,608	22.3	20,101	20.6	10,962	16.5
75	Hearing loss, unspecified	87,991	19.3	30,062	21.3	17,632	17.2	7,536	15.8	18,987	19.5	13,774	20.7
76	Tinnitus	39,683	8.7	12,548	8.9	5,570	5.4	6,057	12.7	9,898	10.1	5,611	8.4
77	Other specified disorders of ear	19,907	4.4	3,159	2.2	2,455	2.4	2,023	4.3	6,968	7.1	5,302	8.0

	<b>I – Diseases of the circulatory system</b>	<b>1,255,023</b>	<b>275.5</b>	<b>371,814</b>	<b>263.1</b>	<b>282,908</b>	<b>275.6</b>	<b>135,244</b>	<b>284.3</b>	<b>279,542</b>	<b>286.5</b>	<b>185,516</b>	<b>279.2</b>
78	Aortic and mitral valve disease <sup>c</sup>	29,962	6.6	7,073	5.0	8,402	8.2	2,868	6.0	7,501	7.7	4,119	6.2
79	Hypertensive diseases <sup>c</sup>	1,059,864	232.7	314,316	222.4	237,405	231.3	116,916	245.8	235,211	241.0	156,016	234.8
80	Heart failure <sup>c</sup>	38,025	8.3	14,808	10.5	7,413	7.2	2,593	5.5	7,224	7.4	5,989	9.0
80A	Ischaemic heart diseases	139,703	30.7	43,566	30.8	34,076	33.2	12,962	27.3	26,948	27.6	22,150	33.3
81	Angina pectoris	78,972	17.3	23,590	16.7	22,676	22.1	7,849	16.5	14,303	14.7	10,553	15.9
82	Acute myocardial infarction and subsequent myocardial infarction	36,762	8.1	11,662	8.3	8,094	7.9	3,252	6.8	7,605	7.8	6,150	9.3
83	AMI complex/other	2,988	0.7	1,136	0.8	301	0.3	127	0.3	389	0.4	1,035	1.6
84	Chronic ischaemic heart disease	84,808	18.6	26,962	19.1	18,589	18.1	7,524	15.8	16,812	17.2	14,921	22.5
85	Pulmonary heart disease and diseases of pulmonary circulation	15,436	3.4	5,424	3.8	2,993	2.9	1,195	2.5	3,452	3.5	2,372	3.6
86	Acute pericarditis	5,551	1.2	1,809	1.3	1,118	1.1	438	0.9	1,273	1.3	913	1.4
87	Other forms of heart disease	8,147	1.8	2,729	1.9	1,647	1.6	686	1.4	1,820	1.9	1,264	1.9
88	Atrioventricular and left bundle branch block	14,678	3.2	4,403	3.1	3,586	3.5	1,415	3.0	3,133	3.2	2,141	3.2
89	Other conduction disorders	11,867	2.6	3,886	2.8	2,406	2.3	1,041	2.2	2,478	2.5	2,056	3.1
90	Paroxysmal tachycardia	39,538	8.7	11,797	8.3	9,180	8.9	4,053	8.5	7,429	7.6	7,079	10.7
91	Atrial fibrillation and flutter	112,555	24.7	35,826	25.4	25,564	24.9	11,295	23.7	23,498	24.1	16,373	24.6
92	Other cardiac arrhythmias	34,563	7.6	10,084	7.1	8,585	8.4	2,947	6.2	7,758	8.0	5,190	7.8
93	Complications and ill-defined descriptions of heart disease and other heart disorders in diseases classified elsewhere	7,476	1.6	3,042	2.2	2,135	2.1	315	0.7	1,289	1.3	695	1.0
94	Stroke	72,852	16.0	23,619	16.7	16,560	16.1	5,969	12.5	15,247	15.6	11,457	17.2
95	Cerebrovascular diseases	17,432	3.8	6,095	4.3	3,440	3.4	1,576	3.3	4,422	4.5	1,899	2.9
96	Sequelae of cerebrovascular disease	50,969	11.2	15,868	11.2	10,020	9.8	4,568	9.6	12,509	12.8	8,004	12.0
97	Atherosclerosis	31,893	7.0	9,023	6.4	6,217	6.1	2,666	5.6	8,119	8.3	5,868	8.8
98	Aortic aneurysm and aortic dissection	10,349	2.3	3,244	2.3	2,542	2.5	836	1.8	2,282	2.3	1,444	2.2
99	Diseases of arteries, arterioles and capillaries	11,932	2.6	4,288	3.0	2,747	2.7	867	1.8	2,540	2.6	1,490	2.2
100	Other peripheral vascular diseases	28,582	6.3	8,375	5.9	6,680	6.5	2,784	5.9	7,332	7.5	3,413	5.1
101	Phlebitis, thrombosis of the portal vein and others	37,596	8.3	13,128	9.3	6,361	6.2	3,871	8.1	7,843	8.0	6,393	9.6
102	Varicose veins of lower extremities	23,783	5.2	5,180	3.7	7,327	7.1	3,107	6.5	7,095	7.3	1,074	1.6
103	Haemorrhoids <sup>c</sup>	74,298	16.3	18,692	13.2	18,236	17.8	7,832	16.5	18,093	18.5	11,445	17.2
104	Oesophageal varices (chronic), varicose veins of other sites, other disorders of veins, non-specific lymphadenitis, other non-infective disorders of lymphatic vessels and lymph nodes and other and unspecified disorders of the circulatory system	15,140	3.3	4,254	3.0	2,928	2.9	1,199	2.5	3,067	3.1	3,693	5.6
	<b>J – Diseases of the respiratory system</b>	<b>1,213,221</b>	<b>266.3</b>	<b>386,289</b>	<b>273.4</b>	<b>268,734</b>	<b>261.8</b>	<b>123,547</b>	<b>259.8</b>	<b>259,163</b>	<b>265.6</b>	<b>175,489</b>	<b>264.1</b>
105	Respiratory allergy <sup>c</sup>	843,779	185.2	274,999	194.6	187,675	182.9	84,923	178.5	175,370	179.7	120,812	181.8

105A	Chronic lower respiratory diseases <sup>c</sup>	419,143	92.0	134,854	95.4	88,387	86.1	41,732	87.7	93,289	95.6	60,880	91.6
106	Bronchitis, not specified as acute or chronic, simple and mucopurulent chronic bronchitis and unspecified chronic bronchitis	12,837	2.8	3,950	2.8	2,642	2.6	1,216	2.6	3,532	3.6	1,497	2.3
107	Emphysema	5,547	1.2	1,475	1.0	1,557	1.5	523	1.1	972	1.0	1,019	1.5
108	Chronic obstructive lung disease (COPD) <sup>c</sup>	216,724	47.6	66,326	46.9	49,420	48.2	22,002	46.3	48,216	49.4	30,760	46.3
109	Asthma, status asthmaticus <sup>c</sup>	361,502	79.4	110,250	78.0	81,603	79.5	38,571	81.1	78,429	80.4	52,649	79.2
110	Bronchiectasis	4,402	1.0	1,128	0.8	1,628	1.6	499	1.0	504	0.5	643	1.0
111	Other diseases of the respiratory system	22,104	4.9	7,004	5.0	4,834	4.7	1,647	3.5	5,499	5.6	3,120	4.7
	<b>K – Diseases of the digestive system</b>	<b>330,894</b>	<b>72.6</b>	<b>100,693</b>	<b>71.3</b>	<b>72,578</b>	<b>70.7</b>	<b>33,677</b>	<b>70.8</b>	<b>73,000</b>	<b>74.8</b>	<b>50,946</b>	<b>76.7</b>
112	Ulcers <sup>c</sup>	158,342	34.8	53,838	38.1	31,932	31.1	15,402	32.4	30,945	31.7	26,226	39.5
113	Inguinal hernia	25,014	5.5	7,049	5.0	5,699	5.6	2,942	6.2	5,682	5.8	3,641	5.5
114	Ventral hernia	7,953	1.7	2,134	1.5	1,829	1.8	906	1.9	1,845	1.9	1,239	1.9
115	Crohn's disease	19,012	4.2	6,198	4.4	4,155	4.0	1,758	3.7	3,711	3.8	3,190	4.8
116	Ulcerative colitis	29,552	6.5	8,201	5.8	7,134	7.0	2,812	5.9	6,788	7.0	4,616	6.9
117	Other non-infective gastroenteritis and colitis	20,847	4.6	5,839	4.1	4,271	4.2	1,995	4.2	5,053	5.2	3,690	5.6
118	Irritable bowel syndrome (IBS)	37,822	8.3	8,988	6.4	7,342	7.2	4,808	10.1	11,026	11.3	5,658	8.5
119	Other functional intestinal disorders	52,273	11.5	13,687	9.7	15,532	15.1	4,796	10.1	12,321	12.6	5,938	8.9
120	Diseases of liver, biliary tract and pancreas	27,133	6.0	9,397	6.7	5,390	5.3	2,294	4.8	5,686	5.8	4,367	6.6
	<b>L – Diseases of the skin and subcutaneous tissue</b>	<b>65,862</b>	<b>14.5</b>	<b>23,014</b>	<b>16.3</b>	<b>15,014</b>	<b>14.6</b>	<b>5,974</b>	<b>12.6</b>	<b>12,746</b>	<b>13.1</b>	<b>9,114</b>	<b>13.7</b>
121	Psoriasis <sup>c</sup>	65,862	14.5	23,014	16.3	15,014	14.6	5,974	12.6	12,746	13.1	9,114	13.7
	<b>M – Diseases of the musculoskeletal system and connective tissue</b>	<b>1,034,337</b>	<b>227.1</b>	<b>289,995</b>	<b>205.2</b>	<b>247,475</b>	<b>241.1</b>	<b>104,052</b>	<b>218.8</b>	<b>251,281</b>	<b>257.5</b>	<b>141,534</b>	<b>213.0</b>
122	Infectious arthropathies	9,418	2.1	3,132	2.2	2,034	2.0	917	1.9	1,994	2.0	1,340	2.0
122A	Inflammatory polyarthropathies and ankylosing spondylitis <sup>c</sup>	166,122	36.5	53,788	38.1	34,621	33.7	15,712	33.0	35,938	36.8	26,064	39.2
123	Rheumatoid arthritis <sup>c</sup>	77,262	17.0	25,157	17.8	16,602	16.2	7,191	15.1	15,900	16.3	12,412	18.7
124	Inflammatory polyarthropathies – except rheumatoid arthritis <sup>c</sup>	116,094	25.5	37,000	26.2	23,674	23.1	11,154	23.5	26,175	26.8	18,092	27.2
125	Polyarthrosis [arthrosis]	17,065	3.7	5,164	3.7	4,494	4.4	1,182	2.5	4,238	4.3	1,987	3.0
126	Coxarthrosis [arthrosis of hip]	103,546	22.7	30,927	21.9	23,242	22.6	10,435	21.9	23,470	24.1	15,473	23.3
127	Gonarthrosis [arthrosis of knee]	179,292	39.4	53,673	38.0	40,460	39.4	20,873	43.9	39,052	40.0	25,235	38.0
128	Arthrosis of first carpometacarpal joint and other arthrosis	91,578	20.1	27,501	19.5	22,567	22.0	7,981	16.8	21,470	22.0	12,059	18.1
129	Acquired deformities of fingers and toes	55,827	12.3	14,983	10.6	14,056	13.7	4,372	9.2	14,168	14.5	8,250	12.4
130	Other acquired deformities of limbs	20,601	4.5	4,195	3.0	6,179	6.0	2,055	4.3	6,038	6.2	2,134	3.2
131	Disorders of patella (knee cap)	39,332	8.6	9,172	6.5	12,009	11.7	5,218	11.0	8,321	8.5	4,612	6.9
132	Internal derangement of knee	9,141	2.0	3,733	2.6	1,362	1.3	683	1.4	2,031	2.1	1,332	2.0
133	Derangement of meniscus due to old tear or	36,520	8.0	11,614	8.2	7,050	6.9	3,214	6.8	8,731	8.9	5,912	8.9

	injury												
134	Internal derangement of knee, unspecified	28,382	6.2	6,767	4.8	8,270	8.1	2,181	4.6	7,940	8.1	3,224	4.9
135	Other specific joint derangements	5,932	1.3	2,333	1.7	1,171	1.1	437	0.9	954	1.0	1,038	1.6
136	Other joint disorders not classified elsewhere	12,082	2.7	2,745	1.9	2,491	2.4	1,701	3.6	3,872	4.0	1,273	1.9
137	Systemic connective tissue disorders	42,791	9.4	13,179	9.3	10,144	9.9	3,764	7.9	9,183	9.4	6,521	9.8
138	Systemic lupus erythematosus	3,381	0.7	1,037	0.7	667	0.6	288	0.6	707	0.7	682	1.0
139	Dermatopolymyositis	1,136	0.2	298	0.2	284	0.3	108	0.2	292	0.3	154	0.2
140	Systemic sclerosis	1,678	0.4	444	0.3	480	0.5	165	0.3	336	0.3	253	0.4
141	Kyphosis, lordosis	4,252	0.9	1,793	1.3	1,093	1.1	371	0.8	603	0.6	392	0.6
142	Scoliosis	17,701	3.9	4,796	3.4	4,847	4.7	1,929	4.1	4,077	4.2	2,054	3.1
143	Spinal osteochondrosis	8,105	1.8	2,654	1.9	1,850	1.8	771	1.6	1,617	1.7	1,213	1.8
144	Other deforming dorsopathies	23,939	5.3	7,100	5.0	6,090	5.9	2,013	4.2	5,680	5.8	3,057	4.6
145	Other inflammatory spondylopathies	7,112	1.6	1,758	1.2	1,894	1.8	713	1.5	1,773	1.8	974	1.5
146	Spondylosis	62,116	13.6	18,008	12.7	12,446	12.1	7,784	16.4	16,453	16.9	7,425	11.2
147	Other spondylopathies and spondylopathies in diseases classified elsewhere	51,160	11.2	18,096	12.8	10,711	10.4	2,974	6.3	11,861	12.2	7,518	11.3
148	Cervical disc disorders	11,483	2.5	2,947	2.1	2,797	2.7	820	1.7	3,490	3.6	1,430	2.2
149	Other intervertebral disc disorders	40,324	8.9	10,139	7.2	9,615	9.4	3,156	6.6	12,431	12.7	4,982	7.5
150	Other dorsopathies, not classified elsewhere	7,296	1.6	1,049	0.7	2,724	2.7	568	1.2	2,452	2.5	503	0.8
151	Dorsalgia	41,051	9.0	12,096	8.6	7,384	7.2	4,862	10.2	11,322	11.6	5,389	8.1
152	Soft tissue disorders	13,534	3.0	3,746	2.7	2,519	2.5	1,131	2.4	3,974	4.1	2,164	3.3
153	Synovitis and tenosynovitis	19,148	4.2	4,402	3.1	5,547	5.4	1,766	3.7	4,483	4.6	2,950	4.4
154	Disorders of synovium and tendon	19,708	4.3	5,067	3.6	5,732	5.6	2,057	4.3	4,298	4.4	2,553	3.8
155	Soft tissue disorders related to use, overuse and pressure	11,102	2.4	1,672	1.2	4,714	4.6	1,259	2.6	2,431	2.5	1,026	1.5
156	Fibroblastic disorders	43,600	9.6	11,032	7.8	12,697	12.4	3,906	8.2	10,217	10.5	5,749	8.7
157	Shoulder lesions	58,073	12.7	11,747	8.3	16,017	15.6	6,008	12.6	16,493	16.9	7,808	11.7
158	Enthesopathies of lower limb, excluding foot	11,197	2.5	3,458	2.4	2,633	2.6	1,032	2.2	2,885	3.0	1,189	1.8
159	Other enthesopathies	10,508	2.3	3,288	2.3	2,382	2.3	972	2.0	2,701	2.8	1,165	1.8
160	Rheumatism, unspecified	6,885	1.5	2,620	1.9	880	0.9	597	1.3	1,252	1.3	1,536	2.3
161	Myalgia	10,217	2.2	3,031	2.1	2,118	2.1	867	1.8	2,265	2.3	1,935	2.9
162	Other soft tissue disorders not classified elsewhere	7,959	1.7	1,635	1.2	3,038	3.0	616	1.3	1,842	1.9	828	1.2
163	Other soft tissue disorders not classified elsewhere: pain in limb	22,259	4.9	5,336	3.8	4,355	4.2	2,036	4.3	7,987	8.2	2,544	3.8
164	Fibromyalgia	3,411	0.7	1,371	1.0	435	0.4	232	0.5	464	0.5	908	1.4
165	Osteoporosis <sup>c</sup>	158,613	34.8	43,656	30.9	37,984	37.0	14,967	31.5	46,853	48.0	15,153	22.8
166	Osteoporosis in diseases classified elsewhere	970	0.2	149	0.1	95	0.1	77	0.2	310	0.3	339	0.5
167	Adult osteomalacia and other disorders of bone density and structure	43,110	9.5	3,864	2.7	15,874	15.5	5,788	12.2	13,470	13.8	4,114	6.2

168	Disorders of continuity of bone	1,874	0.4	623	0.4	362	0.4	286	0.6	302	0.3	301	0.5
169	Other osteopathies	23,933	5.3	4,669	3.3	3,922	3.8	1,433	3.0	11,476	11.8	2,434	3.7
170	Other disorders of the musculoskeletal system and connective tissue	29,935	6.6	7,758	5.5	6,133	6.0	2,222	4.7	8,507	8.7	5,314	8.0
	<b>N – Diseases of the genitourinary system</b>	<b>20,288</b>	<b>4.5</b>	<b>5,575</b>	<b>3.9</b>	<b>6,341</b>	<b>6.2</b>	<b>1,881</b>	<b>4.0</b>	<b>4,097</b>	<b>4.2</b>	<b>2,394</b>	<b>3.6</b>
171	Chronic renal failure (CRF) <sup>c</sup>	20,288	4.5	5,575	3.9	6,341	6.2	1,881	4.0	4,097	4.2	2,394	3.6
	<b>Q – Congenital malformations, deformations and chromosomal abnormalities</b>	<b>125,474</b>	<b>27.5</b>	<b>37,408</b>	<b>26.5</b>	<b>28,375</b>	<b>27.6</b>	<b>13,734</b>	<b>28.9</b>	<b>27,645</b>	<b>28.3</b>	<b>18,311</b>	<b>27.6</b>
172	Congenital malformations: of the nervous, circulatory and respiratory systems, cleft palate and cleft lip, urinary tract, bones and muscles, other and chromosomal abnormalities not classified elsewhere	85,936	18.9	24,388	17.3	20,306	19.8	8,916	18.7	19,895	20.4	12,432	18.7
173	Congenital malformations of eye, ear, face and neck	19,809	4.3	6,631	4.7	3,825	3.7	2,357	5.0	3,820	3.9	3,175	4.8
174	Other congenital malformations of the digestive system	6,547	1.4	2,352	1.7	1,199	1.2	903	1.9	1,197	1.2	896	1.3
175	Congenital malformations of the sexual organs	16,206	3.6	4,953	3.5	3,677	3.6	1,985	4.2	3,331	3.4	2,260	3.4
	<b>F – Mental and behavioural disorders</b>	<b>686,616</b>	<b>150.7</b>	<b>201,726</b>	<b>142.8</b>	<b>157,826</b>	<b>153.8</b>	<b>67,032</b>	<b>140.9</b>	<b>160,240</b>	<b>164.2</b>	<b>99,791</b>	<b>150.2</b>
176	Dementia <sup>c</sup>	37,022	8.1	12,687	9.0	7,414	7.2	3,169	6.7	8,943	9.2	4,809	7.2
177	Organic, including symptomatic, mental disorders	26,792	5.9	8,801	6.2	6,139	6.0	2,304	4.8	6,096	6.2	3,451	5.2
178	Mental and behavioural disorders due to use of alcohol	59,965	13.2	21,877	15.5	11,800	11.5	5,030	10.6	12,402	12.7	8,857	13.3
179	Mental and behavioural disorders due to use of psychoactive substances	54,428	11.9	21,498	15.2	5,786	5.6	5,674	11.9	16,081	16.5	5,388	8.1
180	Schizophrenia <sup>c</sup>	29,763	6.5	11,189	7.9	5,954	5.8	2,501	5.3	5,983	6.1	4,135	6.2
181	Schizotypal and delusional disorders	39,979	8.8	15,994	11.3	7,014	6.8	2,963	6.2	8,243	8.4	5,765	8.7
182	Bipolar affective disorder <sup>c</sup>	22,763	5.0	7,215	5.1	5,998	5.8	1,792	3.8	4,730	4.8	3,028	4.6
183	Depression <sup>c</sup>	456,529	100.2	119,538	84.6	116,812	113.8	46,429	97.6	108,337	111.0	65,412	98.4
184	Mood (affective) disorders	6,920	1.5	2,154	1.5	1,436	1.4	646	1.4	1,447	1.5	1,237	1.9
185	Phobic anxiety disorders	14,481	3.2	4,434	3.1	3,752	3.7	1,062	2.2	3,454	3.5	1,780	2.7
186	Other anxiety disorders	38,270	8.4	14,053	9.9	7,008	6.8	2,609	5.5	8,283	8.5	6,317	9.5
187	Obsessive compulsive disorder (OCD) <sup>c</sup>	10,089	2.2	3,326	2.4	2,443	2.4	855	1.8	1,994	2.0	1,472	2.2
188	Post-traumatic stress disorder	16,201	3.6	4,722	3.3	4,110	4.0	1,242	2.6	3,491	3.6	2,636	4.0
189	Reactions to severe stress and adjustment disorders	62,274	13.7	18,318	13.0	10,845	10.6	4,337	9.1	16,878	17.3	11,896	17.9
190	Dissociative (conversion) disorders, somatoform disorders and other neurotic disorders	21,617	4.7	8,201	5.8	4,501	4.4	1,656	3.5	4,145	4.2	3,114	4.7
191	Eating disorders	7,643	1.7	2,951	2.1	1,567	1.5	585	1.2	1,626	1.7	914	1.4
192	Behavioural syndromes associated with physiological disturbances and physical factors	6,110	1.3	2,720	1.9	992	1.0	482	1.0	894	0.9	1,022	1.5
193	Emotionally unstable personality disorder	22,134	4.9	6,722	4.8	4,053	3.9	2,014	4.2	5,232	5.4	4,114	6.2



194	Specific personality disorders	50,903	11.2	15,792	11.2	10,029	9.8	4,834	10.2	12,207	12.5	8,042	12.1
195	Disorders of adult personality and behaviour	17,727	3.9	5,043	3.6	4,454	4.3	2,021	4.2	4,088	4.2	2,121	3.2
196	Mental retardation	13,908	3.1	3,897	2.8	2,935	2.9	1,381	2.9	3,642	3.7	2,053	3.1
197	Disorders of psychological development	10,020	2.2	2,744	1.9	2,863	2.8	1,140	2.4	1,793	1.8	1,479	2.2
198	Hyperkinetic disorders (ADHD) <sup>c</sup>	43,326	9.5	11,313	8.0	13,334	13.0	4,645	9.8	6,976	7.1	7,057	10.6
199	Behavioural and emotional disorders with onset usually occurring in childhood and adolescence	39,990	8.8	14,764	10.4	5,228	5.1	4,832	10.2	9,794	10.0	5,372	8.1
	<b>Having one or more chronic conditions</b>	<b>2,993,677</b>	<b>657.2</b>	<b>902,043</b>	<b>638.4</b>	<b>680,603</b>	<b>663.1</b>	<b>312,637</b>	<b>657.3</b>	<b>660,694</b>	<b>677.1</b>	<b>437,701</b>	<b>658.6</b>
	Depression medicine <sup>c</sup> **	531,816	116.7	145,284	102.8	131,236	127.9	54,446	114.5	124,745	127.8	76,105	114.5
	Antipsychotic medicine <sup>c</sup> **	139,396	30.6	39,759	28.1	30,059	29.3	14,074	29.6	34,076	34.9	21,428	32.2
	Indication prescribed anxiety medicine <sup>c</sup> **	103,081	22.6	29,210	20.7	25,062	24.4	11,030	23.2	21,944	22.5	15,834	23.8
	Heart failure medication <sup>c</sup> **	7,571	1.7	2,725	1.9	1,877	1.8	642	1.3	1,179	1.2	1,148	1.7
	Ischaemic heart medication <sup>c</sup> **	129,708	28.5	38,486	27.2	32,378	31.5	13,448	28.3	26,532	27.2	18,865	28.4
	<b>All of the five types of medicine above</b>	<b>690,456</b>	<b>151.6</b>	<b>194,511</b>	<b>137.7</b>	<b>166,757</b>	<b>162.5</b>	<b>70,836</b>	<b>148.9</b>	<b>157,917</b>	<b>161.8</b>	<b>100,435</b>	<b>151.1</b>
	Others: arthrosis combined (M15-M19)	338,465	74.3	99,856	70.7	79,043	77.0	35,706	75.1	76,223	78.1	47,637	71.7
	Others: overweight (E86)	224,806	49.3	56,875	40.2	47,436	46.2	24,033	50.5	54,813	56.2	41,649	62.7

<sup>c</sup> complex defined condition, see reference for further details [1]. \*\* 2-year prevalence. Note that the region is the origin of the patients' home resident region. Conditions marked 'A' overlap with other conditions and are thus not counted twice [1].

## Supplementary Material 5: Regional differences not standardised – for all 199 conditions

Table 7. N and prevalence of conditions and medicine for Denmark and the five regions – at 1 January 2013

Nr	Condition	Denmark		Capital Region of Denmark		Central Denmark Region		North Denmark Region		Region of Southern Denmark		Zealand Region	
		<i>N</i>	<i>Per thousand</i>	<i>N</i>	<i>Per thousand</i>	<i>N</i>	<i>Per thousand</i>	<i>N</i>	<i>Per thousand</i>	<i>N</i>	<i>Per thousand</i>	<i>N</i>	<i>Per thousand</i>
	<b>B – Viral hepatitis and human immunodeficiency virus [HIV] disease</b>	<b>8,813</b>	<b>1.9</b>	<b>4,044</b>	<b>2.9</b>	<b>1,862</b>	<b>1.8</b>	<b>485</b>	<b>1.0</b>	<b>1,465</b>	<b>1.5</b>	<b>957</b>	<b>1.4</b>
1	Chronic viral hepatitis	4,584	1.0	1,633	1.2	1,263	1.2	286	0.6	944	1.0	458	0.7
2	Human immunodeficiency virus [HIV] disease	4,229	0.9	2,411	1.7	599	0.6	199	0.4	521	0.5	499	0.8
	<b>C – Malignant neoplasms</b>	<b>229,331</b>	<b>50.3</b>	<b>69,152</b>	<b>48.9</b>	<b>50,351</b>	<b>49.1</b>	<b>22,541</b>	<b>47.4</b>	<b>49,606</b>	<b>50.8</b>	<b>37,681</b>	<b>56.7</b>
3	Malignant neoplasms of other and unspecified localisations	20,557	4.5	7,605	5.4	4,132	4.0	2,123	4.5	3,312	3.4	3,385	5.1
4	Malignant neoplasms of digestive organs	4,839	1.1	1,586	1.1	975	0.9	469	1.0	981	1.0	828	1.2
5	Malignant neoplasm of colon	18,826	4.1	6,007	4.3	3,634	3.5	1,916	4.0	3,909	4.0	3,360	5.1
6	Malignant neoplasms of rectosigmoid junction, rectum, anus and anal canal	10,680	2.3	3,035	2.1	2,202	2.1	1,246	2.6	2,361	2.4	1,836	2.8
7	Malignant neoplasm of bronchus and lung	14,762	3.2	2,942	2.1	5,425	5.3	1,140	2.4	3,248	3.3	2,007	3.0
8	Malignant melanoma of skin	19,636	4.3	7,128	5.0	3,373	3.3	1,437	3.0	4,355	4.5	3,343	5.0
9	Other malignant neoplasms of skin	15,597	3.4	4,702	3.3	3,318	3.2	983	2.1	4,241	4.3	2,353	3.5
10	Malignant neoplasm of breast	50,687	11.1	15,642	11.1	10,933	10.7	4,891	10.3	11,692	12.0	7,529	11.3
11	Malignant neoplasms of female genital organs	7,245	1.6	2,114	1.5	1,159	1.1	655	1.4	1,366	1.4	1,951	2.9
12	Malignant neoplasm of cervix uteri, corpus uteri and part unspecified	11,608	2.5	3,285	2.3	2,159	2.1	1,233	2.6	2,372	2.4	2,559	3.9
13	Malignant tumour of male genitalia	5,194	1.1	1,689	1.2	1,114	1.1	520	1.1	1,067	1.1	804	1.2
14	Malignant neoplasm of prostate	26,697	5.9	7,432	5.3	5,639	5.5	3,470	7.3	5,703	5.8	4,453	6.7
15	Malignant neoplasms of urinary tract	10,319	2.3	2,657	1.9	2,309	2.2	1,340	2.8	2,262	2.3	1,751	2.6
16	Brain cancer <sup>c</sup>	15,310	3.4	4,942	3.5	3,097	3.0	1,593	3.3	2,803	2.9	2,875	4.3
17	Malignant neoplasms of ill-defined, secondary and unspecified sites, and of independent (primary) multiple sites	25,619	5.6	5,730	4.1	9,042	8.8	2,603	5.5	5,033	5.2	3,211	4.8
18	Malignant neoplasms, stated or presumed to be primary, of lymphoid, haematopoietic and related tissue	19,712	4.3	5,828	4.1	4,340	4.2	1,821	3.8	4,778	4.9	2,945	4.4
	<b>D – In situ and benign neoplasms, and neoplasms of uncertain or unknown behaviour and diseases of the blood and blood-forming organs and certain disorders</b>	<b>116,560</b>	<b>25.6</b>	<b>33,869</b>	<b>24.0</b>	<b>28,543</b>	<b>27.8</b>	<b>10,816</b>	<b>22.7</b>	<b>25,252</b>	<b>25.9</b>	<b>18,080</b>	<b>27.2</b>

	<b>involving the immune mechanism</b>												
19	In situ neoplasms	19,810	4.3	6,050	4.3	3,809	3.7	2,117	4.5	4,698	4.8	3,136	4.7
20	Haemolytic anaemias	3,055	0.7	1,095	0.8	725	0.7	239	0.5	609	0.6	387	0.6
21	Aplastic and other anaemias	14,918	3.3	5,121	3.6	2,898	2.8	1,543	3.2	2,704	2.8	2,652	4.0
22	Other anaemias	46,613	10.2	12,889	9.1	10,509	10.2	4,458	9.4	11,057	11.3	7,700	11.6
23	Coagulation defects, purpura and other haemorrhagic conditions	25,376	5.6	6,958	4.9	8,745	8.5	1,734	3.6	4,364	4.5	3,575	5.4
24	Other diseases of blood and blood-forming organs	8,896	2.0	2,656	1.9	2,118	2.1	729	1.5	2,022	2.1	1,371	2.1
25	Certain disorders involving the immune mechanism	7,660	1.7	2,049	1.5	1,835	1.8	900	1.9	1,765	1.8	1,111	1.7
	<b>E – Endocrine, nutritional and metabolic diseases</b>	<b>877,433</b>	<b>192.6</b>	<b>239,987</b>	<b>169.8</b>	<b>198,343</b>	<b>193.3</b>	<b>99,109</b>	<b>208.4</b>	<b>203,465</b>	<b>208.5</b>	<b>136,529</b>	<b>205.4</b>
26	Diseases of the thyroid °	131,908	29.0	40,033	28.3	27,603	26.9	11,705	24.6	29,898	30.6	22,669	34.1
27	Thyrotoxicosis °	41,374	9.1	11,122	7.9	9,603	9.4	5,867	12.3	10,023	10.3	4,759	7.2
28	Diabetes type 1 °	23,062	5.1	6,493	4.6	5,484	5.3	2,487	5.2	5,289	5.4	3,309	5.0
29	Diabetes type 2 °	242,177	53.2	65,552	46.4	54,087	52.7	26,462	55.6	57,200	58.6	38,876	58.5
30	Diabetes others °	1,117	0.2	328	0.2	224	0.2	90	0.2	320	0.3	155	0.2
31	Disorders of other endocrine glands	28,650	6.3	8,314	5.9	7,847	7.6	2,035	4.3	6,974	7.1	3,480	5.2
32	Metabolic disorders	23,690	5.2	6,904	4.9	5,973	5.8	1,920	4.0	5,565	5.7	3,328	5.0
33	Disturbances in lipoprotein circulation and other lipids °	652,242	143.2	171,435	121.3	150,276	146.4	77,816	163.6	151,740	155.5	100,975	151.9
34	Cystic fibrosis °	947	0.2	493	0.3	121	0.1	57	0.1	126	0.1	150	0.2
	<b>G – Diseases of the nervous system</b>	<b>561,054</b>	<b>123.2</b>	<b>153,150</b>	<b>108.4</b>	<b>131,330</b>	<b>128.0</b>	<b>56,245</b>	<b>118.3</b>	<b>131,490</b>	<b>134.7</b>	<b>88,839</b>	<b>133.7</b>
35	Inflammatory diseases of the central nervous system	7,642	1.7	2,432	1.7	1,721	1.7	666	1.4	1,677	1.7	1,146	1.7
36	Systemic atrophies primarily affecting the central nervous system and other degenerative diseases	10,401	2.3	4,189	3.0	1,688	1.6	610	1.3	1,853	1.9	2,061	3.1
37	Parkinson's disease °	57,583	12.6	14,650	10.4	13,320	13.0	6,874	14.5	14,197	14.5	8,542	12.9
38	Extrapyramidal and movement disorders	10,837	2.4	3,143	2.2	2,902	2.8	962	2.0	2,393	2.5	1,437	2.2
39	Sclerosis	13,284	2.9	3,882	2.7	3,024	2.9	1,201	2.5	3,059	3.1	2,118	3.2
40	Demyelinating diseases of the central nervous system	4,571	1.0	1,168	0.8	1,000	1.0	514	1.1	1,060	1.1	829	1.2
41	Epilepsy °	61,695	13.5	15,995	11.3	15,637	15.2	6,399	13.5	14,133	14.5	9,531	14.3
42	Migraine °	149,866	32.9	44,497	31.5	32,727	31.9	15,416	32.4	33,362	34.2	23,864	35.9
43	Other headache syndromes	16,469	3.6	5,914	4.2	3,279	3.2	1,216	2.6	3,858	4.0	2,202	3.3
44	Transient cerebral ischaemic attacks and related syndromes and vascular syndromes of brain in cerebrovascular diseases	43,977	9.7	11,843	8.4	10,192	9.9	5,230	11.0	9,949	10.2	6,763	10.2
45	Sleep disorders	36,806	8.1	10,314	7.3	9,134	8.9	4,128	8.7	7,564	7.8	5,666	8.5
46	Disorders of trigeminal nerve and facial nerve disorders	21,488	4.7	6,721	4.8	4,412	4.3	1,812	3.8	5,347	5.5	3,196	4.8

47	Disorders of other cranial nerves, cranial nerve disorders in diseases classified elsewhere, nerve root and plexus disorders and nerve root and plexus compressions in diseases classified elsewhere	12,429	2.7	3,674	2.6	2,589	2.5	938	2.0	3,622	3.7	1,606	2.4
48	Mononeuropathies of upper limb	122,395	26.9	25,143	17.8	34,452	33.6	12,217	25.7	34,264	35.1	16,319	24.6
49	Mononeuropathies of lower limb, other mononeuropathies and mononeuropathy in diseases classified elsewhere	18,627	4.1	4,388	3.1	5,039	4.9	1,593	3.3	5,220	5.3	2,387	3.6
50	Polyneuropathies and other disorders of the peripheral nervous system	30,289	6.6	8,420	6.0	7,824	7.6	2,589	5.4	8,023	8.2	3,433	5.2
51	Diseases of myoneural junction and muscle	5,758	1.3	1,819	1.3	1,295	1.3	551	1.2	1,191	1.2	902	1.4
52	Cerebral palsy and other paralytic syndromes	14,410	3.2	3,883	2.7	3,459	3.4	1,392	2.9	3,224	3.3	2,452	3.7
53	Other disorders of the nervous system	44,394	9.7	13,980	9.9	5,367	5.2	2,311	4.9	6,868	7.0	15,868	23.9
	<b>H – Diseases of the eye and adnexa and diseases of the ear and mastoid process</b>	<b>448,176</b>	<b>98.4</b>	<b>133,445</b>	<b>94.4</b>	<b>98,443</b>	<b>95.9</b>	<b>48,753</b>	<b>102.5</b>	<b>101,774</b>	<b>104.3</b>	<b>65,761</b>	<b>99.0</b>
54	Disorders of eyelid, lacrimal system and orbit	13,191	2.9	3,212	2.3	3,177	3.1	1,863	3.9	3,611	3.7	1,328	2.0
55	Corneal scars and opacities	2,173	0.5	313	0.2	792	0.8	319	0.7	499	0.5	250	0.4
56	Other disorders of cornea	9,473	2.1	2,165	1.5	3,266	3.2	1,141	2.4	1,836	1.9	1,065	1.6
57	Diseases of the eye lens (cataracts)	68,009	14.9	21,699	15.4	15,846	15.4	6,126	12.9	14,965	15.3	9,373	14.1
58	Disorders of the choroid and retina	1,900	0.4	515	0.4	336	0.3	266	0.6	477	0.5	306	0.5
59	Retinal vascular occlusions	10,358	2.3	3,142	2.2	2,276	2.2	1,019	2.1	2,348	2.4	1,573	2.4
60	Other retinal disorders	68,485	15.0	20,538	14.5	15,650	15.2	6,883	14.5	15,236	15.6	10,178	15.3
61	Retinal disorders in diseases classified elsewhere	19,279	4.2	2,925	2.1	8,990	8.8	1,368	2.9	3,277	3.4	2,719	4.1
62	Glaucoma <sup>c</sup>	67,310	14.8	19,617	13.9	17,335	16.9	7,102	14.9	14,078	14.4	9,178	13.8
63	Disorders of the vitreous body and globe	7,572	1.7	2,080	1.5	2,108	2.1	1,149	2.4	1,443	1.5	792	1.2
64	Disorders of optic nerve and visual pathways	6,184	1.4	1,982	1.4	1,215	1.2	789	1.7	1,320	1.4	878	1.3
65	Disorders of ocular muscles, binocular movement, accommodation and refraction	18,247	4.0	6,267	4.4	3,699	3.6	2,289	4.8	3,433	3.5	2,559	3.9
66	Visual disturbances	22,232	4.9	5,504	3.9	5,474	5.3	3,848	8.1	4,656	4.8	2,750	4.1
67	Blindness and partial sight	6,614	1.5	2,553	1.8	1,164	1.1	680	1.4	1,281	1.3	936	1.4
68	Nystagmus and other irregular eye movements and other disorders of eye and adnexa	11,133	2.4	6,120	4.3	1,782	1.7	884	1.9	1,311	1.3	1,036	1.6
69	Otosclerosis	10,360	2.3	3,255	2.3	1,890	1.8	1,069	2.2	2,395	2.5	1,751	2.6
70	Ménière's disease <sup>c</sup>	10,003	2.2	2,725	1.9	1,865	1.8	928	2.0	2,703	2.8	1,782	2.7
71	Other diseases of the inner ear	29,865	6.6	4,532	3.2	4,406	4.3	6,192	13.0	10,262	10.5	4,473	6.7
72	Conductive and sensorineural hearing loss	43,238	9.5	15,176	10.7	9,246	9.0	4,635	9.7	8,202	8.4	5,979	9.0
73	Other hearing loss and other disorders of ear not classified elsewhere	8,306	1.8	2,184	1.5	1,276	1.2	788	1.7	2,754	2.8	1,304	2.0
74	Presbycusis (age-related hearing loss)	80,659	17.7	24,210	17.1	11,428	11.1	11,600	24.4	21,762	22.3	11,659	17.5
75	Hearing loss, unspecified	87,806	19.3	27,525	19.5	17,137	16.7	7,983	16.8	20,069	20.6	15,092	22.7
76	Tinnitus	40,124	8.8	11,866	8.4	5,470	5.3	6,352	13.4	10,352	10.6	6,084	9.2

77	Other specified disorders of ear	20,537	4.5	2,949	2.1	2,396	2.3	2,109	4.4	7,285	7.5	5,798	8.7
	<b>I – Diseases of the circulatory system</b>	<b>1,254,427</b>	<b>275.4</b>	<b>344,337</b>	<b>243.7</b>	<b>276,838</b>	<b>269.7</b>	<b>141,084</b>	<b>296.6</b>	<b>292,077</b>	<b>299.3</b>	<b>200,091</b>	<b>301.1</b>
78	Aortic and mitral valve disease <sup>c</sup>	30,123	6.6	6,396	4.5	8,155	7.9	3,068	6.5	8,031	8.2	4,473	6.7
79	Hypertensive diseases <sup>c</sup>	1,060,046	232.7	288,242	204.0	231,815	225.9	122,685	257.9	247,358	253.5	169,946	255.7
80	Heart failure <sup>c</sup>	37,540	8.2	13,100	9.3	7,265	7.1	2,836	6.0	7,761	8.0	6,578	9.9
80A	Ischaemic heart diseases	139,173	30.6	38,791	27.5	33,305	32.4	13,891	29.2	28,812	29.5	24,374	36.7
81	Angina pectoris	78,476	17.2	21,093	14.9	22,162	21.6	8,345	17.5	15,228	15.6	11,648	17.5
82	Acute myocardial infarction and subsequent myocardial infarction	36,654	8.0	10,326	7.3	7,936	7.7	3,499	7.4	8,130	8.3	6,763	10.2
83	AMI complex/other	2,969	0.7	1,007	0.7	295	0.3	132	0.3	416	0.4	1,119	1.7
84	Chronic ischaemic heart disease	84,592	18.6	23,731	16.8	18,166	17.7	8,139	17.1	18,070	18.5	16,486	24.8
85	Pulmonary heart disease and diseases of pulmonary circulation	15,352	3.4	5,015	3.5	2,928	2.9	1,262	2.7	3,613	3.7	2,534	3.8
86	Acute pericarditis	5,563	1.2	1,797	1.3	1,111	1.1	448	0.9	1,281	1.3	926	1.4
87	Other forms of heart disease	8,119	1.8	2,548	1.8	1,617	1.6	720	1.5	1,901	1.9	1,333	2.0
88	Atrioventricular and left bundle branch block	14,604	3.2	3,926	2.8	3,489	3.4	1,530	3.2	3,351	3.4	2,308	3.5
89	Other conduction disorders	11,823	2.6	3,605	2.6	2,365	2.3	1,097	2.3	2,583	2.6	2,173	3.3
90	Paroxysmal tachycardia	39,510	8.7	11,142	7.9	8,978	8.7	4,207	8.8	7,686	7.9	7,497	11.3
91	Atrial fibrillation and flutter	112,342	24.7	32,348	22.9	24,832	24.2	12,166	25.6	25,123	25.7	17,873	26.9
92	Other cardiac arrhythmias	34,418	7.6	9,354	6.6	8,369	8.2	3,091	6.5	8,087	8.3	5,517	8.3
93	Complications and ill-defined descriptions of heart disease and other heart disorders in diseases classified elsewhere	7,337	1.6	2,827	2.0	2,083	2.0	330	0.7	1,366	1.4	731	1.1
94	Stroke	72,606	15.9	21,256	15.0	16,148	15.7	6,401	13.5	16,263	16.7	12,538	18.9
95	Cerebrovascular diseases	17,308	3.8	5,546	3.9	3,364	3.3	1,665	3.5	4,667	4.8	2,066	3.1
96	Sequelae of cerebrovascular disease	50,952	11.2	14,089	10.0	9,755	9.5	4,942	10.4	13,407	13.7	8,759	13.2
97	Atherosclerosis	32,064	7.0	7,857	5.6	6,054	5.9	2,918	6.1	8,752	9.0	6,483	9.8
98	Aortic aneurysm and aortic dissection	10,296	2.3	2,886	2.0	2,470	2.4	896	1.9	2,444	2.5	1,600	2.4
99	Diseases of arteries, arterioles and capillaries	11,830	2.6	4,007	2.8	2,696	2.6	892	1.9	2,629	2.7	1,606	2.4
100	Other peripheral vascular diseases	28,508	6.3	7,382	5.2	6,519	6.4	2,999	6.3	7,840	8.0	3,768	5.7
101	Phlebitis, thrombosis of the portal vein and others	37,388	8.2	12,242	8.7	6,238	6.1	3,997	8.4	8,139	8.3	6,772	10.2
102	Varicose veins of lower extremities	23,530	5.2	4,919	3.5	7,215	7.0	3,093	6.5	7,179	7.4	1,124	1.7
103	Haemorrhoids <sup>c</sup>	74,285	16.3	18,906	13.4	18,066	17.6	7,760	16.3	18,091	18.5	11,462	17.2
104	Oesophageal varices (chronic), varicose veins of other sites, other disorders of veins, non-specific lymphadenitis, other non-infective disorders of lymphatic vessels and lymph nodes and other and unspecified disorders of the circulatory system	15,194	3.3	4,137	2.9	2,900	2.8	1,209	2.5	3,119	3.2	3,829	5.8
	<b>J – Diseases of the respiratory system</b>	<b>1,210,598</b>	<b>265.7</b>	<b>379,715</b>	<b>268.7</b>	<b>266,681</b>	<b>259.8</b>	<b>124,207</b>	<b>261.1</b>	<b>261,003</b>	<b>267.5</b>	<b>178,992</b>	<b>269.3</b>

105	Respiratory allergy °	841,685	184.8	272,801	193.1	186,358	181.6	84,493	177.6	175,290	179.6	122,743	184.7
105A	Chronic lower respiratory diseases °	418,120	91.8	130,170	92.1	87,172	84.9	42,561	89.5	95,101	97.5	63,116	95.0
106	Bronchitis, not specified as acute or chronic, simple and mucopurulent chronic bronchitis and unspecified chronic bronchitis	12,790	2.8	3,464	2.5	2,579	2.5	1,312	2.8	3,793	3.9	1,642	2.5
107	Emphysema	5,557	1.2	1,322	0.9	1,525	1.5	556	1.2	1,036	1.1	1,118	1.7
108	Chronic obstructive lung disease (COPD) °	216,184	47.5	60,978	43.2	48,685	47.4	23,279	48.9	50,412	51.7	32,830	49.4
109	Asthma, status asthmaticus °	361,129	79.3	107,743	76.2	81,142	79.1	39,243	82.5	79,483	81.5	53,518	80.5
110	Bronchiectasis	4,362	1.0	1,065	0.8	1,572	1.5	506	1.1	522	0.5	697	1.0
111	Other diseases of the respiratory system	21,993	4.8	6,414	4.5	4,727	4.6	1,743	3.7	5,755	5.9	3,354	5.0
	<b>K – Diseases of the digestive system</b>	<b>329,337</b>	<b>72.3</b>	<b>95,452</b>	<b>67.5</b>	<b>71,490</b>	<b>69.7</b>	<b>34,486</b>	<b>72.5</b>	<b>74,822</b>	<b>76.7</b>	<b>53,087</b>	<b>79.9</b>
112	Ulcers °	157,379	34.5	50,062	35.4	31,326	30.5	16,027	33.7	32,238	33.0	27,726	41.7
113	Inguinal hernia	25,032	5.5	6,533	4.6	5,638	5.5	3,050	6.4	5,901	6.0	3,910	5.9
114	Ventral hernia	7,941	1.7	1,973	1.4	1,792	1.7	936	2.0	1,917	2.0	1,323	2.0
115	Crohn's disease	18,913	4.2	6,242	4.4	4,145	4.0	1,728	3.6	3,673	3.8	3,125	4.7
116	Ulcerative colitis	29,538	6.5	8,224	5.8	7,077	6.9	2,812	5.9	6,789	7.0	4,636	7.0
117	Other non-infective gastroenteritis and colitis	20,844	4.6	5,611	4.0	4,187	4.1	2,059	4.3	5,182	5.3	3,805	5.7
118	Irritable bowel syndrome (IBS)	37,593	8.3	9,025	6.4	7,292	7.1	4,739	10.0	10,897	11.2	5,640	8.5
119	Other functional intestinal disorders	51,933	11.4	12,849	9.1	15,297	14.9	4,937	10.4	12,689	13.0	6,161	9.3
120	Diseases of liver, biliary tract and pancreas	26,956	5.9	8,753	6.2	5,284	5.1	2,359	5.0	5,901	6.0	4,659	7.0
	<b>L – Diseases of the skin and subcutaneous tissue</b>	<b>65,469</b>	<b>14.4</b>	<b>22,064</b>	<b>15.6</b>	<b>14,781</b>	<b>14.4</b>	<b>6,049</b>	<b>12.7</b>	<b>13,003</b>	<b>13.3</b>	<b>9,572</b>	<b>14.4</b>
121	Psoriasis °	65,469	14.4	22,064	15.6	14,781	14.4	6,049	12.7	13,003	13.3	9,572	14.4
	<b>M – Diseases of the musculoskeletal system and connective tissue</b>	<b>1,032,808</b>	<b>226.7</b>	<b>276,332</b>	<b>195.6</b>	<b>243,447</b>	<b>237.2</b>	<b>106,406</b>	<b>223.7</b>	<b>257,765</b>	<b>264.2</b>	<b>148,858</b>	<b>224.0</b>
122	Infectious arthropathies	9,402	2.1	3,134	2.2	2,020	2.0	915	1.9	1,990	2.0	1,343	2.0
122A	Inflammatory polyarthropathies and ankylosing spondylitis °	165,944	36.4	50,126	35.5	34,011	33.1	16,350	34.4	37,418	38.3	28,039	42.2
123	Rheumatoid arthritis °	77,345	17.0	24,151	17.1	16,308	15.9	7,349	15.5	16,340	16.7	13,197	19.9
124	Inflammatory polyarthropathies – except rheumatoid arthritis °	115,945	25.5	34,119	24.1	23,267	22.7	11,683	24.6	27,343	28.0	19,533	29.4
125	Polyarthrosis [arthrosis]	16,935	3.7	4,745	3.4	4,318	4.2	1,230	2.6	4,457	4.6	2,185	3.3
126	Coxarthrosis [arthrosis of hip]	104,115	22.9	28,367	20.1	22,599	22.0	11,181	23.5	25,027	25.6	16,941	25.5
127	Gonarthrosis [arthrosis of knee]	178,811	39.3	48,950	34.6	39,447	38.4	21,693	45.6	41,112	42.1	27,609	41.5
128	Arthrosis of first carpometacarpal joint and other arthrosis	91,101	20.0	25,293	17.9	22,046	21.5	8,269	17.4	22,384	22.9	13,109	19.7
129	Acquired deformities of fingers and toes	55,730	12.2	14,429	10.2	13,728	13.4	4,383	9.2	14,411	14.8	8,779	13.2
130	Other acquired deformities of limbs	20,584	4.5	4,062	2.9	6,087	5.9	2,066	4.3	6,160	6.3	2,209	3.3
131	Disorders of patella (knee cap)	38,999	8.6	9,796	6.9	12,163	11.9	4,985	10.5	7,892	8.1	4,163	6.3
132	Internal derangement of knee	9,192	2.0	3,917	2.8	1,378	1.3	685	1.4	1,964	2.0	1,248	1.9

133	Derangement of meniscus due to old tear or injury	36,374	8.0	11,579	8.2	7,020	6.8	3,183	6.7	8,746	9.0	5,846	8.8
134	Internal derangement of knee, unspecified	28,206	6.2	6,794	4.8	8,290	8.1	2,150	4.5	7,823	8.0	3,149	4.7
135	Other specific joint derangements	5,923	1.3	2,395	1.7	1,203	1.2	429	0.9	917	0.9	979	1.5
136	Other joint disorders not classified elsewhere	12,043	2.6	2,721	1.9	2,476	2.4	1,694	3.6	3,873	4.0	1,279	1.9
137	Systemic connective tissue disorders	42,631	9.4	12,588	8.9	9,881	9.6	3,871	8.1	9,445	9.7	6,846	10.3
138	Systemic lupus erythematosus	3,376	0.7	1,009	0.7	656	0.6	283	0.6	714	0.7	714	1.1
139	Dermatopolymyositis	1,137	0.2	283	0.2	277	0.3	112	0.2	302	0.3	163	0.2
140	Systemic sclerosis	1,675	0.4	420	0.3	468	0.5	168	0.4	347	0.4	272	0.4
141	Kyphosis, lordosis	4,160	0.9	1,692	1.2	1,085	1.1	369	0.8	605	0.6	409	0.6
142	Scoliosis	17,686	3.9	4,904	3.5	4,883	4.8	1,899	4.0	4,017	4.1	1,983	3.0
143	Spinal osteochondrosis	8,034	1.8	2,537	1.8	1,837	1.8	773	1.6	1,622	1.7	1,265	1.9
144	Other deforming dorsopathies	23,756	5.2	6,633	4.7	5,970	5.8	2,070	4.4	5,847	6.0	3,236	4.9
145	Other inflammatory spondylopathies	7,086	1.6	1,687	1.2	1,873	1.8	721	1.5	1,787	1.8	1,018	1.5
146	Spondylosis	61,999	13.6	16,350	11.6	12,159	11.8	8,174	17.2	17,195	17.6	8,121	12.2
147	Other spondylopathies and spondylopathies in diseases classified elsewhere	50,805	11.2	16,496	11.7	10,367	10.1	3,149	6.6	12,546	12.9	8,247	12.4
148	Cervical disc disorders	11,476	2.5	2,854	2.0	2,760	2.7	815	1.7	3,550	3.6	1,497	2.3
149	Other intervertebral disc disorders	40,161	8.8	9,898	7.0	9,480	9.2	3,156	6.6	12,547	12.9	5,080	7.6
150	Other dorsopathies not classified elsewhere	7,246	1.6	1,042	0.7	2,688	2.6	564	1.2	2,444	2.5	508	0.8
151	Dorsalgia	40,780	9.0	11,745	8.3	7,301	7.1	4,868	10.2	11,339	11.6	5,527	8.3
152	Soft tissue disorders	13,422	2.9	3,765	2.7	2,500	2.4	1,120	2.4	3,925	4.0	2,112	3.2
153	Synovitis and tenosynovitis	19,104	4.2	4,331	3.1	5,491	5.4	1,765	3.7	4,546	4.7	2,971	4.5
154	Disorders of synovium and tendon	19,669	4.3	5,123	3.6	5,748	5.6	2,018	4.2	4,261	4.4	2,519	3.8
155	Soft tissue disorders related to use, overuse and pressure	11,090	2.4	1,617	1.1	4,667	4.5	1,280	2.7	2,464	2.5	1,062	1.6
156	Fibroblastic disorders	43,600	9.6	10,167	7.2	12,435	12.1	4,042	8.5	10,662	10.9	6,294	9.5
157	Shoulder lesions	58,112	12.8	11,256	8.0	15,853	15.4	6,084	12.8	16,768	17.2	8,151	12.3
158	Enthesopathies of lower limb, excluding foot	11,223	2.5	3,532	2.5	2,651	2.6	1,010	2.1	2,871	2.9	1,159	1.7
159	Other enthesopathies	10,500	2.3	3,269	2.3	2,365	2.3	965	2.0	2,713	2.8	1,188	1.8
160	Rheumatism, unspecified	6,852	1.5	2,449	1.7	863	0.8	614	1.3	1,284	1.3	1,642	2.5
161	Myalgia	10,168	2.2	2,884	2.0	2,086	2.0	873	1.8	2,318	2.4	2,007	3.0
162	Other soft tissue disorders not classified elsewhere	7,939	1.7	1,575	1.1	3,026	2.9	615	1.3	1,866	1.9	857	1.3
163	Other soft tissue disorders not classified elsewhere: pain in limb	22,201	4.9	5,182	3.7	4,314	4.2	2,048	4.3	8,060	8.3	2,597	3.9
164	Fibromyalgia	3,399	0.7	1,332	0.9	427	0.4	238	0.5	473	0.5	929	1.4
165	Osteoporosis <sup>c</sup>	158,813	34.9	40,589	28.7	36,426	35.5	15,785	33.2	49,447	50.7	16,566	24.9
166	Osteoporosis in diseases classified elsewhere	1,007	0.2	142	0.1	92	0.1	81	0.2	321	0.3	371	0.6
167	Adult osteomalacia and other disorders of bone	43,271	9.5	3,698	2.6	15,282	14.9	5,913	12.4	13,924	14.3	4,454	6.7

	density and structure												
168	Disorders of continuity of bone	1,865	0.4	599	0.4	362	0.4	287	0.6	310	0.3	307	0.5
169	Other osteopathies	24,251	5.3	4,451	3.1	3,859	3.8	1,466	3.1	11,922	12.2	2,553	3.8
170	Other disorders of the musculoskeletal system and connective tissue	30,038	6.6	7,685	5.4	6,085	5.9	2,249	4.7	8,640	8.9	5,379	8.1
	<b>N – Diseases of the genitourinary system</b>	<b>20,162</b>	<b>4.4</b>	<b>4,980</b>	<b>3.5</b>	<b>6,222</b>	<b>6.1</b>	<b>2,021</b>	<b>4.2</b>	<b>4,352</b>	<b>4.5</b>	<b>2,587</b>	<b>3.9</b>
171	Chronic renal failure (CRF) <sup>c</sup>	20,162	4.4	4,980	3.5	6,222	6.1	2,021	4.2	4,352	4.5	2,587	3.9
	<b>Q – Congenital malformations, deformations and chromosomal abnormalities</b>	<b>124,898</b>	<b>27.4</b>	<b>38,354</b>	<b>27.1</b>	<b>28,360</b>	<b>27.6</b>	<b>13,416</b>	<b>28.2</b>	<b>27,139</b>	<b>27.8</b>	<b>17,629</b>	<b>26.5</b>
172	Congenital malformations: of the nervous, circulatory and respiratory systems, cleft palate and cleft lip, urinary tract, bones and muscles, other and chromosomal abnormalities not classified elsewhere	85,534	18.8	25,072	17.7	20,288	19.8	8,718	18.3	19,516	20.0	11,940	18.0
173	Congenital malformations of eye, ear, face and neck	19,689	4.3	6,929	4.9	3,847	3.7	2,237	4.7	3,705	3.8	2,971	4.5
174	Other congenital malformations of the digestive system	6,481	1.4	2,244	1.6	1,179	1.1	917	1.9	1,217	1.2	924	1.4
175	Congenital malformations of the sexual organs	16,192	3.6	5,071	3.6	3,678	3.6	1,944	4.1	3,277	3.4	2,222	3.3
	<b>F – Mental and behavioural disorders</b>	<b>683,194</b>	<b>150.0</b>	<b>197,626</b>	<b>139.9</b>	<b>155,979</b>	<b>152.0</b>	<b>67,510</b>	<b>141.9</b>	<b>161,658</b>	<b>165.7</b>	<b>100,421</b>	<b>151.1</b>
176	Dementia <sup>c</sup>	36,803	8.1	11,322	8.0	7,121	6.9	3,489	7.3	9,733	10.0	5,138	7.7
177	Organic, including symptomatic, mental disorders	26,430	5.8	8,023	5.7	5,949	5.8	2,417	5.1	6,405	6.6	3,636	5.5
178	Mental and behavioural disorders due to use of alcohol	59,143	13.0	20,473	14.5	11,685	11.4	5,128	10.8	12,641	13.0	9,216	13.9
179	Mental and behavioural disorders due to use of psychoactive substances	53,669	11.8	20,878	14.8	5,712	5.6	5,692	12.0	16,096	16.5	5,291	8.0
180	Schizophrenia <sup>c</sup>	29,422	6.5	10,902	7.7	5,841	5.7	2,512	5.3	5,999	6.1	4,168	6.3
181	Schizotypal and delusional disorders	39,694	8.7	15,726	11.1	6,882	6.7	2,984	6.3	8,316	8.5	5,786	8.7
182	Bipolar affective disorder <sup>c</sup>	22,669	5.0	6,997	5.0	5,896	5.7	1,806	3.8	4,812	4.9	3,158	4.8
183	Depression <sup>c</sup>	454,933	99.9	117,031	82.8	115,169	112.2	46,752	98.3	109,548	112.3	66,433	100.0
184	Mood (affective) disorders	6,887	1.5	2,107	1.5	1,411	1.4	654	1.4	1,456	1.5	1,259	1.9
185	Phobic anxiety disorders	14,324	3.1	4,630	3.3	3,706	3.6	1,005	2.1	3,304	3.4	1,679	2.5
186	Other anxiety disorders	38,079	8.4	14,259	10.1	6,914	6.7	2,548	5.4	8,186	8.4	6,172	9.3
187	Obsessive compulsive disorder (OCD) <sup>c</sup>	10,062	2.2	3,543	2.5	2,460	2.4	812	1.7	1,904	2.0	1,343	2.0
188	Post-traumatic stress disorder	16,055	3.5	4,715	3.3	4,020	3.9	1,213	2.6	3,477	3.6	2,630	4.0
189	Reactions to severe stress and adjustment disorders	61,701	13.5	18,761	13.3	10,801	10.5	4,213	8.9	16,556	17.0	11,370	17.1
190	Dissociative (conversion) disorders, somatoform disorders and other neurotic disorders	21,420	4.7	8,053	5.7	4,442	4.3	1,635	3.4	4,152	4.3	3,138	4.7
191	Eating disorders	7,751	1.7	3,301	2.3	1,605	1.6	552	1.2	1,512	1.5	781	1.2
192	Behavioural syndromes associated with physiological disturbances and physical factors	6,163	1.4	2,876	2.0	995	1.0	460	1.0	858	0.9	974	1.5



193	Emotionally unstable personality disorder	21,848	4.8	7,134	5.0	3,941	3.8	1,908	4.0	5,052	5.2	3,813	5.7
194	Specific personality disorders	50,415	11.1	16,169	11.4	9,834	9.6	4,701	9.9	11,979	12.3	7,732	11.6
195	Disorders of adult personality and behaviour	17,533	3.8	5,124	3.6	4,374	4.3	1,955	4.1	4,018	4.1	2,062	3.1
196	Mental retardation	13,822	3.0	3,635	2.6	2,872	2.8	1,441	3.0	3,799	3.9	2,075	3.1
197	Disorders of psychological development	9,911	2.2	2,681	1.9	2,896	2.8	1,128	2.4	1,790	1.8	1,416	2.1
198	Hyperkinetic disorders (ADHD) <sup>c</sup>	42,908	9.4	11,440	8.1	13,401	13.1	4,548	9.6	6,843	7.0	6,676	10.0
199	Behavioural and emotional disorders with onset usually occurring in childhood and adolescence	39,602	8.7	14,794	10.5	5,190	5.1	4,746	10.0	9,686	9.9	5,186	7.8
	<b>Having one or more chronic conditions</b>	<b>2,989,441</b>	<b>656.2</b>	<b>881,379</b>	<b>623.7</b>	<b>674,263</b>	<b>657.0</b>	<b>315,842</b>	<b>664.0</b>	<b>668,525</b>	<b>685.1</b>	<b>449,432</b>	<b>676.3</b>
	Depression medicine <sup>c</sup> **	529,918	116.3	141,371	100.0	129,338	126.0	54,988	115.6	126,599	129.7	77,622	116.8
	Antipsychotic medicine <sup>c</sup> **	138,625	30.4	38,012	26.9	29,576	28.8	14,439	30.4	34,688	35.5	21,910	33.0
	Indication prescribed anxiety medicine <sup>c</sup> **	102,568	22.5	28,692	20.3	24,733	24.1	11,011	23.2	22,108	22.7	16,024	24.1
	Heart failure medication <sup>c</sup> **	7,468	1.6	2,404	1.7	1,838	1.8	693	1.5	1,265	1.3	1,268	1.9
	Ischaemic heart medication <sup>c</sup> **	129,484	28.4	34,107	24.1	31,561	30.8	14,609	30.7	28,522	29.2	20,685	31.1
	<b>All of the five types of medicine above</b>	<b>688,006</b>	<b>151.0</b>	<b>186,130</b>	<b>131.7</b>	<b>164,098</b>	<b>159.9</b>	<b>72,462</b>	<b>152.3</b>	<b>161,572</b>	<b>165.6</b>	<b>103,744</b>	<b>156.1</b>
	Others: arthrosis combined (M15-M19)	338,166	74.2	91,573	64.8	77,076	75.1	37,306	78.4	80,198	82.2	52,013	78.3
	Others: overweight (E86)	220,928	48.5	56,808	40.2	46,843	45.6	23,295	49.0	53,541	54.9	40,441	60.9

<sup>c</sup> complex defined condition, see reference for further details [1]. \*\* 2-year prevalence. Note that the region is the origin of the patients' home resident region. Conditions marked 'A' overlap with other conditions and are thus not counted twice [1].

## Supplementary Material 6: Comments on Danish regional differences and overview regional differences by overall disease groups

### *Overview of regional differences*

Some national regional differences exists regarding mortality rates (see Figure 1), as well as education, age, fertility, ethnicity, local immigration and others [8,9]. For international comparison, national mortality rates are as follows: approximately 935 deaths per 100.000 individuals alive in 2013; and for men, 938 deaths per 100.000 individuals alive in 2013.

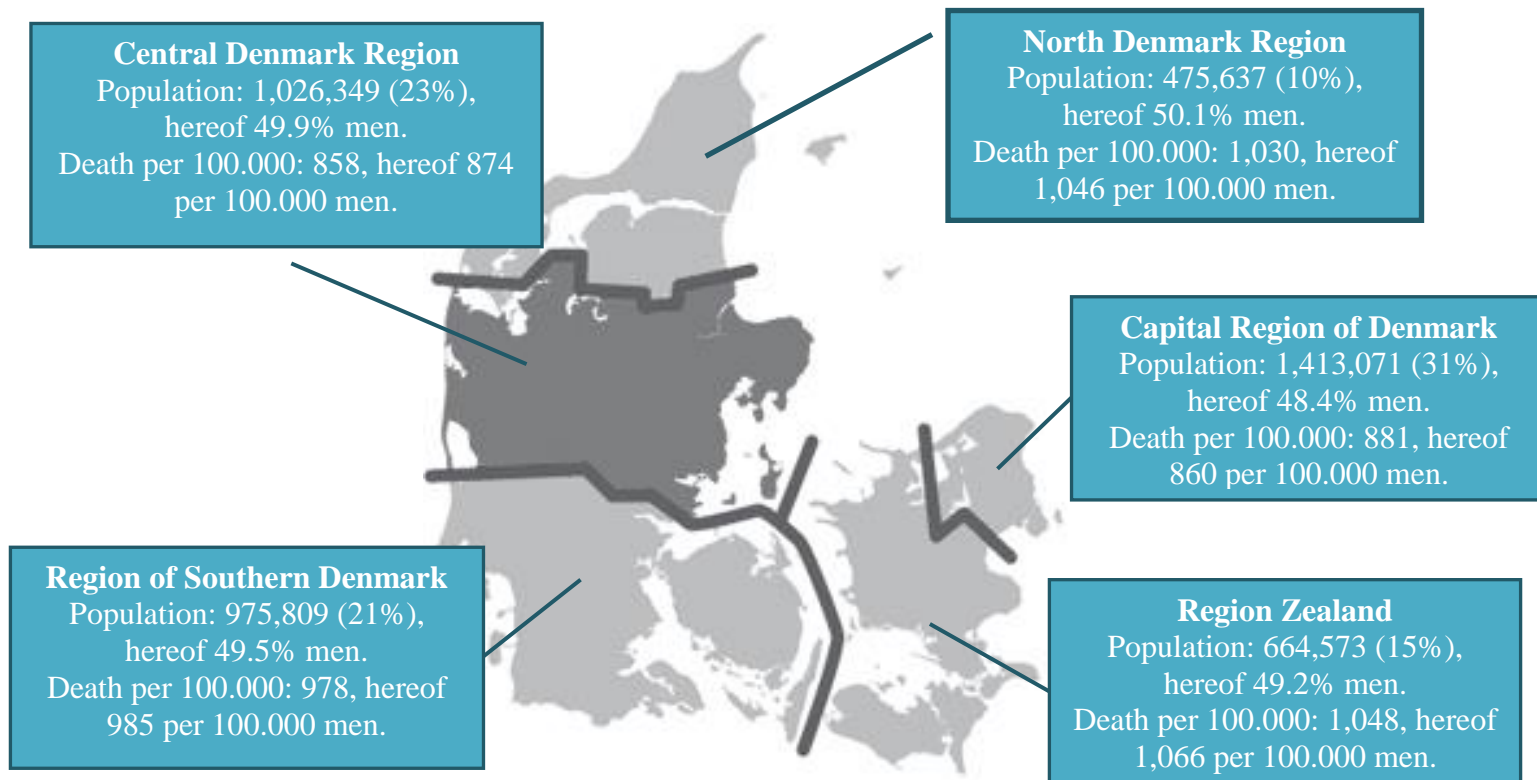


Figure 1. Map of Denmark and full population age 16 years or above. Death per thousand is based on all ages (0+). Source: Statistics Denmark [www.dst.dk](http://www.dst.dk). Figure adapted from Christensen et al., Figure 1 [10].

Table 8. N and per cent of gender and age differences in Denmark and regions at 1 January 2013.

	Denmark		Capital Region of Denmark		Central Denmark Region		North Denmark Region		Region of Southern Denmark		Zealand Region	
	<i>N</i>	<i>per cent</i>	<i>N</i>	<i>per cent</i>	<i>N</i>	<i>per cent</i>	<i>N</i>	<i>per cent</i>	<i>N</i>	<i>per cent</i>	<i>N</i>	<i>per cent</i>
<b>Men</b>	2,242,422	49.2	684,398	48.4	509,611	49.7	238,114	50.1	483,450	49.5	326,849	49.2
<b>Women</b>	2,313,017	50.8	728,673	51.6	516,738	50.4	237,523	49.9	492,359	50.5	337,724	50.8
<b>16–24 years</b>	648,269	14.2	202,503	14.3	157,931	15.4	68,896	14.5	135,659	13.9	83,280	12.5
<b>25–34 years</b>	650,285	14.3	248,639	17.6	147,460	14.4	61,819	13.0	122,329	12.5	70,038	10.5
<b>35–44 years</b>	760,514	16.7	250,628	17.7	170,154	16.6	72,785	15.3	156,563	16.0	110,384	16.6
<b>45–54 years</b>	801,708	17.6	239,637	17.0	177,291	17.3	83,943	17.7	175,777	18.0	125,060	18.8
<b>55–64 years</b>	694,862	15.3	190,871	13.5	158,226	15.4	76,684	16.1	156,790	16.1	112,291	16.9
<b>65–74 years</b>	594,029	13.0	166,541	11.8	127,600	12.4	64,949	13.7	133,759	13.7	101,180	15.2
<b>75 years or above</b>	405,772	8.9	114,252	8.1	87,687	8.5	46,561	9.8	94,932	9.7	62,340	9.4

### *Method of defining 'differences'*

Thus, prevalences are calculated from a specific point in time, using the five categories of chronicity and the corresponding inclusion times for each condition, as can be seen in the literature [1]. For national regional estimates, the respective population of each of the five regions was the denominator of the ratio.

National regional differences were defined as 'major' if a difference of 50% or more between the highest and lowest prevalence across regions was found, and when the differences were also apparent after standardisation by age, gender and education.

### *Results*

Some regional differences in prevalence exist, as can be seen in Supplementary material 4-5. In the following, conditions with 'major' regional variation, as defined in the Methods section, are commented upon.

Overall, the Capital Region had the lowest prevalence of chronic conditions, with 623.7 cases per thousand inhabitants, while the Region of Southern Denmark had the

highest overall prevalence, with 685.1 cases per thousand inhabitants (638.4 and 677.1 standardised, respectively).

However, in regards to, for example, HIV, the Capital Region had a higher prevalence than all other regions. The same pattern exists for skin cancer and melanoma. Within the ‘endocrine, nutritional and metabolic’ disease classification, it is mainly the rare condition cystic fibrosis that seems to vary across regions. Within ‘mental and behavioural disorders’, a few variations exist within ADHD, phobic disorders, other anxiety disorders and PTSD. Within ‘diseases of the circulatory system’, heart failure differs across regions, being about 50% as prevalent in the Capital Region as in the North Denmark Region, while angina is around 50% higher in the Central Region than in the Capital Region. With regard to ‘diseases of the musculoskeletal system and connective tissue’, some differences are seen for osteoporosis and some forms of osteoarthritis. Southern Denmark has around twice the number of osteoporosis patients as the region with the lowest (Zealand Region). Kyphosis/lordosis is almost twice as prevalent in the Capital Region as in the Southern and Zealand regions.

### *Discussion*

Moreover, even within a homogeneous country such as Denmark, some ‘major’ regional differences are found for specific conditions, although other studies have found limited variation within regions [11]. Some differences are found within, for example, HIV, skin cancer and ADHD. In the case of HIV, the differences might be due to a higher concentration of homosexual environments in the Capital Region, while the higher prevalence of skin cancer in the Capital Region could be explained by the ‘metropolitan lifestyle’. However, in general, differences might also be explained by differences in ‘practice style’, as discussed in other studies [12,13]. For

example, the higher prevalence of ADHD in the Central Denmark Region could be explained by a stronger clinical environment and more specialists focusing on ADHD. Thus, differences in clinical environment, including the geographical concentration of specialised clinical centres, different reporting practices and incentives for economic settlement in reporting [1], cannot be ruled out in explaining other geographical differences found. However, with a few exceptions, only minor or no differences were found for most conditions.

Table 9. Regional overview by disease groups. N and prevalence of conditions and medicine for Denmark and the five regions – at 1 January 2013 (Standardised rates or mean std dev. in brackets).

Condition	Denmark		Capital Region of Denmark		Central Denmark Region		North Denmark Region		Region of Southern Denmark		Zealand Region	
	N	Per thousand	N	Per thousand	N	Per thousand	N	Per thousand	N	Per thousand	N	Per thousand
B – Viral hepatitis and human immunodeficiency virus [HIV] disease	8,813	1.9 (2,0)	4,044	2.9 (2,9)	1,862	1.8 (1,8)	485	1.0 (1,0)	1,465	1.5 (1,5)	957	1.4 (1,4)
C – Malignant neoplasms	229,331	50.3 (50,4)	69,152	48.9 (52,5)	50,351	49.1 (50,5)	22,541	47.4 (45,5)	49,606	50.8 (48,6)	37,681	56.7 (52,0)
D – In situ and benign neoplasms, and neoplasms of uncertain or unknown behaviour and diseases of the blood and blood-forming organs etc.	116,560	25.6 (25,7)	33,869	24.0 (25,4)	28,543	27.8 (28,3)	10,816	22.7 (22,1)	25,252	25.9 (25,0)	18,080	27.2 (26,0)
E – Endocrine, nutritional and metabolic diseases	877,433	192.6 (192,7)	239,987	169.8 (184,6)	198,343	193.3 (197,8)	99,109	208.4 (198,4)	203,465	208.5 (198,9)	136,529	205.4 (188,7)
G – Diseases of the nervous system	561,054	123.2 (123,5)	153,150	108.4 (113,3)	131,330	128.0 (130,1)	56,245	118.3 (116,3)	131,490	134.7 (131,9)	88,839	133.7 (128,0)
H – Diseases of the eye and adnexa and diseases of the ear and mastoid process	448,176	98.4 (98,6)	133,445	94.4 (101,4)	98,443	95.9 (98,5)	48,753	102.5 (97,7)	101,774	104.3 (99,3)	65,761	99.0 (92,2)
I – Diseases of the circulatory system	1,254,427	275.4 (275,5)	344,337	243.7 (263,1)	276,838	269.7 (275,6)	141,084	296.6 (284,3)	292,077	299.3 (286,5)	200,091	301.1 (279,2)
J – Diseases of the respiratory system	1,210,598	265.7 (266,3)	379,715	268.7 (273,4)	266,681	259.8 (261,8)	124,207	261.1 (259,8)	261,003	267.5 (265,6)	178,992	269.3 (264,1)
K – Diseases of the digestive system	329,337	72.3 (72,6)	95,452	67.5 (71,3)	71,490	69.7 (70,7)	34,486	72.5 (70,8)	74,822	76.7 (74,8)	53,087	79.9 (76,7)
L – Diseases of the skin and subcutaneous tissue	65,469	14.4 (14,5)	22,064	15.6 (16,3)	14,781	14.4 (14,6)	6,049	12.7 (12,6)	13,003	13.3 (13,1)	9,572	14.4 (13,7)
M – Diseases of the musculoskeletal system and connective tissue	1,032,808	226.7 (227,1)	276,332	195.6 (205,2)	243,447	237.2 (241,1)	106,406	223.7 (218,8)	257,765	264.2 (257,5)	148,858	224.0 (213,0)
N – Diseases of the genitourinary system	20,162	4.4 (4,5)	4,980	3.5 (3,9)	6,222	6.1 (6,2)	2,021	4.2 (4,0)	4,352	4.5 (4,2)	2,587	3.9 (3,6)
Q – Congenital malformations, deformations and chromosomal abnormalities	124,898	27.4 (27,5)	38,354	27.1 (26,5)	28,360	27.6 (27,6)	13,416	28.2 (28,9)	27,139	27.8 (28,3)	17,629	26.5 (27,6)
F – Mental and behavioural disorders	683,194	150.0 (150,7)	197,626	139.9 (142,8)	155,979	152.0 (153,8)	67,510	141.9 (140,9)	161,658	165.7 (164,2)	100,421	151.1 (150,2)
<b>Having one or more chronic conditions</b>	<b>2,989,441</b>	<b>656.2 (657,2)</b>	<b>881,379</b>	<b>623.7 (638,4)</b>	<b>674,263</b>	<b>657.0 (663,1)</b>	<b>315,842</b>	<b>664.0 (657,3)</b>	<b>668,525</b>	<b>685.1 (677,1)</b>	<b>449,432</b>	<b>676.3 (658,6)</b>
<b>Mean number of chronic conditions (std. dev)</b>	<b>2.2 (2,8)</b>	<b>-</b>	<b>2.0 (2,7)</b>	<b>-</b>	<b>2.2 (2,8)</b>	<b>-</b>	<b>2.2 (2,7)</b>	<b>-</b>	<b>2.4 (2,9)</b>	<b>-</b>	<b>2.3 (2,8)</b>	<b>-</b>
Depression medicine <sup>c</sup> **	529,918	116.3 (116,7)	141,371	100.0 (102,8)	129,338	126.0 (127,9)	54,988	115.6 (114,5)	126,599	129.7 (127,8)	77,622	116.8 (114,5)
Antipsychotic medicine <sup>c</sup> **	138,625	30.4 (30,6)	38,012	26.9 (28,1)	29,576	28.8 (29,3)	14,439	30.4 (29,6)	34,688	35.5 (34,9)	21,910	33.0 (32,2)
Indication prescribed anxiety medicine <sup>c</sup> **	102,568	22.5 (22,6)	28,692	20.3 (20,7)	24,733	24.1 (24,4)	11,011	23.2 (23,2)	22,108	22.7 (22,5)	16,024	24.1 (23,8)
Heart failure medication <sup>c</sup> **	7,468	1.6 (1,7)	2,404	1.7 (1,9)	1,838	1.8 (1,8)	693	1.5 (1,3)	1,265	1.3 (1,2)	1,268	1.9 (1,7)
Ischaemic heart medication <sup>c</sup> **	129,484	28.4 (28,5)	34,107	24.1 (27,2)	31,561	30.8 (31,5)	14,609	30.7 (28,3)	28,522	29.2 (27,2)	20,685	31.1 (28,4)
<b>All of the five types of medicine above</b>	<b>688,006</b>	<b>151.0 (151,6)</b>	<b>186,130</b>	<b>131.7 (137,7)</b>	<b>164,098</b>	<b>159.9 (162,5)</b>	<b>72,462</b>	<b>152.3 (148,9)</b>	<b>161,572</b>	<b>165.6 (161,8)</b>	<b>103,744</b>	<b>156.1 (151,1)</b>

<sup>c</sup> complex defined condition, see reference for further details [1]. \*\* 2-year prevalence. Note that the region is the origin of the patients' home resident region. Conditions marked 'A' overlap

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